Form 3160-3
(August 2007)

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.: UTU0359

6. If Indian, Allottee or Tribe Name: Ute Tribe

7. If Unit or CA Agreement, Name and No.: 891008900A

8. Lease Name and Well No.: NBU 922-18D3BS

1a. Type of Work: [X] DRILL [ ] REENTER

1b. Type of Well: [ ] Oil Well [X] Gas Well [ ] Other [ ] Single Zone [X] Multiple Zone

9. API Well No.: 43-047-40592

2. Name of Operator: Kerr-McGee Oil & Gas Onshore, LP

3a. Address: PO Box 173779, Denver, CO 80217-3779

3b. Phone No. *(include area code)*: Kathy Schneebeck Dulnoan, 720-929-6007

10. Field and Pool, or Exploratory: Natural Buttes Field

4. Location of well *(Report location clearly and In accordance with any State requirements.*)* NAD 27

At surface: 1,881' FNL 370' FWL SW/4 NW/4 Lat. 40.038119 Long. -109.488719

At proposed prod. zone: ±877' FNL ±256' FWL NW/4 NW/4 Sec. 18 T9S R22E Lot 1

11. Sec.,T.,R.,M.,or Blk.and Survey or Area: 18 T 9S R 22E Lot 2 S.L.B.&M.

14. Distance in miles and direction from the nearest town or post office*: Approximately 17 miles southeast of Ouray, Utah

12. County or Parish: Uintah

13. State: Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. unit line, if any)	16. No. of acres in lease	17. Spacing Unit dedicated to this well
±256'	162.39	Unit well
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	**19. Proposed Depth**	**20. BLM/ BIA Bond No. on file**
10'	10,089' MD	WYB000291
21. Elevations (Show whether DF. RT, GR, etc.)	**22. Aproximate date work will start***	**23. Estimated duration**
4,894' Ungraded Ground Level KB	March 30, 2009	10 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1 shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by existing bond on file(see item 20 above).
5. Operator certification.
6. Such other site specific information and/ or plans as may be required by the a authorized officer.

25. Signature	Name *(Printed/ Typed)*	Date
Kathy Schneebeck Dulnoan	Kathy Schneebeck Dulnoan	February 26, 2009

Title: Staff Regulatory Analyst

E-mail: kathy.schneebeckdulnoan@anadarko.com

Phone: 720-929-6007

Approved By *(Signature)*	Name *(Printed/ Typed)*	Date
	BRADLEY G. HILL	04-07-09
Title	Office ENVIRONMENTAL MANAGER	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

* *(Instructions on page 2)*

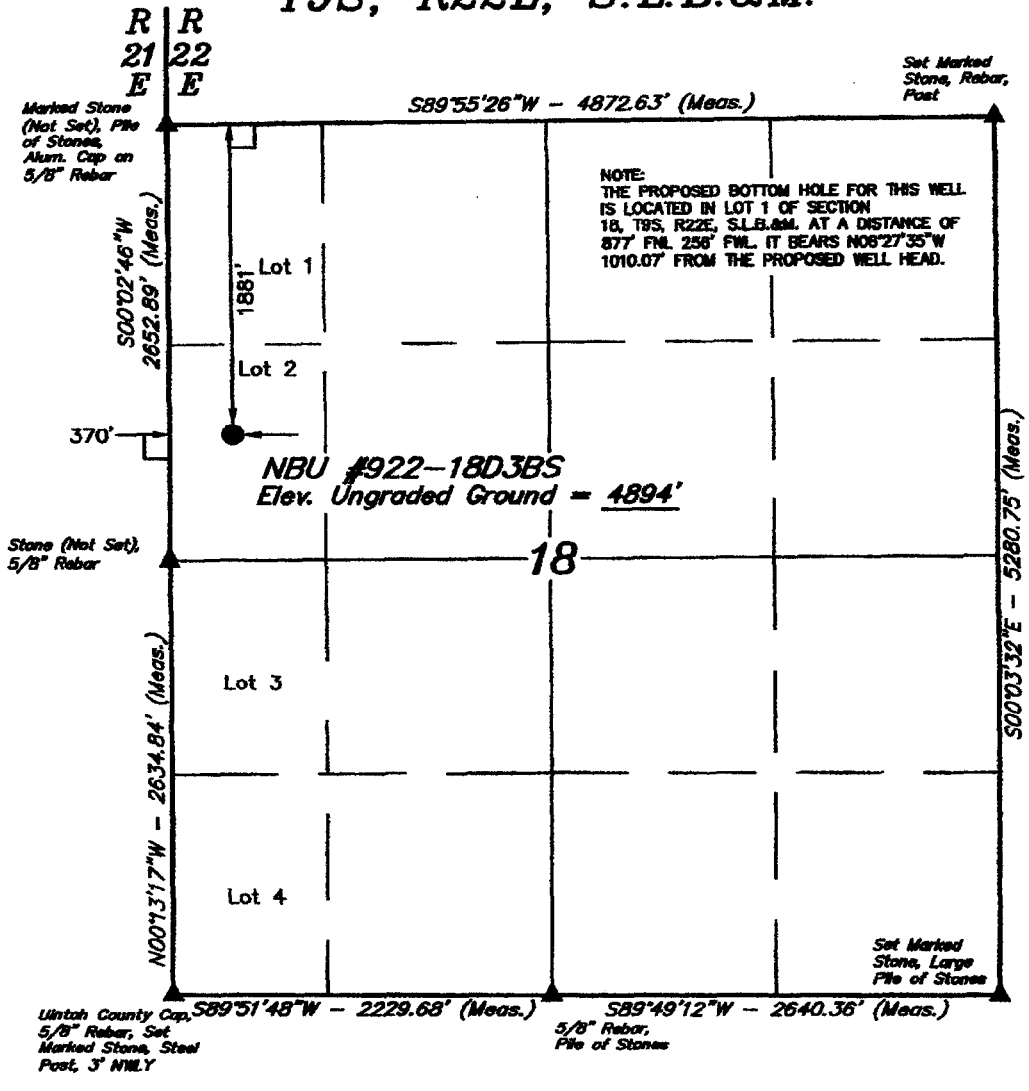
Surf
628948X
4432868Y
40.038086
-109.488583

BHL
628907X
4433174Y
40.040840
-109.489010

Federal Approval of this Action is Necessary

RECEIVED
MAR - 4 2009
DIV OF OIL, GAS & MINING

T9S, R22E, S.L.B.&M.



Kerr-McGee Oil & Gas Onshore LP

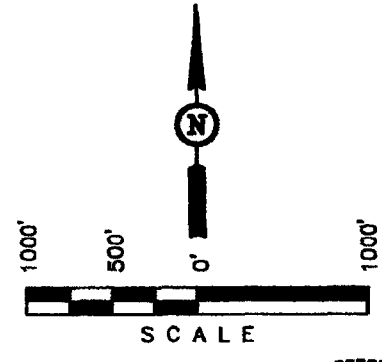
Well location, NBU #922-18D3BS, located as shown in Lot 2 of Section 18, T9S, R22E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK (20EAM) LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REVISED: 10-29-08

LEGEND:

- = 90° SYMBOL
- ● = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°02'27.02" (40.040839)	LATITUDE = 40°02'17.10" (40.038083)
LONGITUDE = 109°29'23.32" (109.489811)	LONGITUDE = 109°29'21.86" (109.489406)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 40°02'27.15" (40.040876)	LATITUDE = 40°02'17.23" (40.038119)
LONGITUDE = 109°29'20.85" (109.489125)	LONGITUDE = 109°29'19.39" (109.488719)

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	05-07-07	05-17-07
PARTY: D.K. L.K. C.H.	REFERENCES: G.L.O. PLAT	
WEATHER: WARM	FILE: Kerr-McGee Oil & Gas Onshore LP	

NBU 922-18D3BS
Pad: NBU 922-18E
Surface: 1,881' FNL, 370' FWL (SW/4NW/4) Lot 2
BHL: ±877' FNL ±256' FWL (NW/4NW/4) Lot 1
Sec. 18 T9S R22E
Uintah, Utah
Mineral Lease: UTU0359

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. – 2. Estimated Tops of Important Geologic Markers:
Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

Formation	Depth	Resource
Uinta	0 – Surface	
Green River	1,828'	
Birds Nest	2,123'	Water
Mahogany	2,486'	Water
Wasatch	5,106'	Gas
Mesaverde	8,780'	Gas
MVU2	9,295'	Gas
MVL1	9,920'	Gas
TD (MD)	10,089'	

3. Pressure Control Equipment (Schematic Attached)

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

4. Proposed Casing & Cementing Program:

Please see the Natural Buttes Unit SOP. See attached drilling diagram.

5. Drilling Fluids Program:

Please see the Natural Buttes Unit SOP.

6. Evaluation Program:

Please see the Natural Buttes Unit SOP.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 10,089' TD (MD), approximately equals 5,762 psi (calculated at 0.57 psi/foot).

Maximum anticipated surface pressure equals approximately 3,483 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

Drilling is planned to commence immediately upon approval of this application.

9. **Variances:**

Please see Natural Buttes Unit SOP Onshore Order #2 – Air Drilling Variance
Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests a variance to several requirements associated with air drilling outlined in Onshore Order 2

- *Blowout Prevention Equipment (BOPE) requirements;*
- *Mud program requirements; and*
- *Special drilling operation (surface equipment placement) requirements associated with air drilling.*

This Standard Operating Practices addendum provides supporting information as to why KMG current air drilling practices for constructing the surface casing hole should be granted a variance to Onshore Order 2 air drilling requirements.

The reader should note that the air rig is used only to construct a stable surface casing hole through a historically difficult lost circulation zone. A conventional rotary rig follows the air rig, and is used to drill and construct the majority of the wellbore.

More notable, KMG has used the air rig layout and procedures outlined below to drill the surface casing hole in approximately 675 wells without incident of blow out or loss of life.

Background
In a typical well, KMG utilizes an air rig for drilling the surface casing hole, an interval from the surface to surface casing depths, which varies in depth from 1,700 to 2,800 feet. The air rig drilling operation does not drill through productive or over pressured formations in KMG field, but does penetrate the Uinta and Green River Formations. The purpose of the air drilling operation is to overcome the severe loss circulation zone in the Green River known as the Bird's Nest while creating a stable hole for the surface casing. The surface casing hole is generally drilled to approximately 500 feet below the Bird's Nest.

Before the surface air rig is mobilized, a rathole rig is utilized to set and cement conductor pipe through a competent surface formation. Generally, the conductor is set at 40 feet. In some cases, conductor may be set deeper in areas that the surface formation is not found competent. This rig also drills the rat and mouse holes in preparation for the surface casing and production string drilling operations.

The air rig is then mobilized to drill the surface casing hole by drilling a 12-1/4 inch hole to just above the Bird's Nest interval with an air hammer. The hammer is then tripped and replaced with a 12-1/4 inch tri-cone bit. The tri-cone bit is used to drill to the surface casing point, approximately 500 feet below the loss circulation zone (Bird's Nest). The 9-5/8 inch surface casing is then run and cemented in place, thereby isolating the lost circulation zone.

KMG fully appreciates Onshore Order 2 well control and safety requirements associated with a typical air drilling operations. However, the requirements of Onshore Order 2 are excessive with respect to the air rig layout and drilling operation procedures that are currently in practice to drill and control the surface casing hole in KMG Fields.

Variance for BOPE Requirements
The air rig operation utilizes a properly lubricated and maintained air bowl diverter system which diverts the drilling returns to a six-inch blooie line. The air bowl is the only piece of BOPE equipment which is installed during drilling operations and is sufficient to contain the air returns associated with this drilling operation. As was discussed earlier, the drilling of the surface hole does not encounter any over pressured or productive zones, and as a result standard BOPE equipment should not be required. In addition, standard drilling practices do not support the use of BOPE on 40 feet of conductor pipe.

Variance for Mud Material Requirements
Onshore Order 2 also states that sufficient quantities of mud materials shall be maintained or readily accessible for the purpose of assuring adequate well control. Once again, the surface hole drilling operations does not encounter over pressured or productive intervals, and as a result there is not a need to control pressure in the surface hole with a mud system. Instead of mud, the air rigs utilize water from the reserve pit for well control, if necessary. A skid pump which is located near the reserve pit (see attachment) will supply the water to the well bore.

Variance for Special Drilling Operation (surface equipment placement) Requirements
Onshore Order 2 requires specific safety distances or setbacks for the placement of associated standard air drilling equipment, wellbore, and reserve pits. The air rigs used to drill the surface holes are not typical of an air rig used to drill a producing hole in other parts of the US. These are smaller in nature and designed to fit a KMG location. The typical air rig layout for drilling surface hole in the field is attached.

Typically the blooie line discharge point is required to be 100 feet from the well bore. In the case of a KMG well, the reserve pit is only 45 feet from the rig and is used for the drill cuttings. The blooie line, which transports the drill cuttings from the well to the reserve pit, subsequently discharges only 45 feet from the well bore.

Typically the air rig compressors are required to be located in the opposite direction from the blooie line and a minimum of 100 feet from the well bore. At the KMG locations, the air rig compressors are approximately 40 feet from the well bore and approximately 60 feet from the blooie line discharge due to the unique air rig design. The air compressors (see attachment) are located on the rig (1250 cfm) and on a standby trailer (1170 cfm). A booster sits between the two compressors and boosts the output from 350 psi to 2000 psi. The design does put the booster and standby compressor opposite from the blooie line.

Lastly, Onshore Order 2 addresses the need for an automatic igniter or continuous pilot light on the blooie line. The air rig does not utilize an igniter as the surface hole drilling operation does not encounter productive formations.

Conclusion
The air rig operating procedures and the attached air rig layout have effectively maintained well control while drilling the surface holes in KMG Fields. KMG respectfully requests a variance from Onshore Order 2 with respect to air drilling well control requirements as discussed above.

10. Other Information:

Please see Natural Buttes Unit SOP.

NBU 922-18D3BS
Pad: NBU 922-18E
Surface: 1,881' FNL, 370' FWL (SW/4NW/4) Lot 2
BHL: ±877' FNL ±256' FWL (NW/4NW/4) Lot 1
Sec. 18 T9S R22E
Uintah, Utah
Mineral Lease: UTU0359

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. **Existing Roads:**

Refer to the attached location directions.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

2. **Planned Access Roads:**

Approximately ±170' of new access road is proposed. Refer to Topo Map B.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site.

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

3. **Location of Existing Wells Within a 1-Mile Radius:**

Please refer to Topo Map C.

4. **Location of Existing & Proposed Facilities:**

Please see the Natural Buttes Unit SOP.

Refer to Topo Map D for the location of the proposed pipelines.

Variances to Best Management Practices (BMPs) Requested:

This exception to the BMP should be granted by the BLM Authorized Officer because indurated bedrock, such as sandstone, is at or within 2 feet of the surface and the soil has a poor history for successful rehabilitation.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Shadow gray (2.5Y 6/2), a non-reflective earthtone.

Interim Surface Reclamation Plan:

This exception is requested due to the current twin and multi-well program. If determined that this well will not be a candidate for either twinning &/or multi-well the operator shall spread the topsoil pile on the location up to the rig anchor points. The location will be reshaped to the original contour to the extent possible. The operator will reseed the area using the BLM recommended seed mixture and reclamation methods.

5. **Location and Type of Water Supply:**

Please see the Natural Buttes SOP.

6. **Source of Construction Materials:**

Please see the Natural Buttes SOP.

7. **Methods of Handling Waste Materials:**

Please see the Natural Buttes SOP.

A plastic reinforced liner is to be used as discussed during on-site inspection. It will be a minimum of 20 mil thick and felt, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E, Pipeline Facility Sec. 36, T9S, R20E,Goat Pasture Evaporation Pond SW/4 Sec. 16, T10S, R22E, Bonanza Evaporation Pond Sec. 2, T10S, R23E *(Request is in lieu of filing Form 3160-5, after initial production).*

8. **Ancillary Facilities:**

Please see the Natural Buttes SOP.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be re-surveyed and a form 3160-5 will be submitted.

10. Plans for Reclamation of the Surface:

Please see the Natural Buttes SOP.

Operator shall call the BIA for the seed mixture when the final reclamation occurs.

11. Surface/Mineral Ownership:

The well pad and access road are located on lands owned by:

Ute Indian Tribe
P.O. Box 70
Fort Duchesne, Utah 84026
(435) 722-5141

The mineral ownership is listed below:

United States of America
Bureau of Land Management
170 South 500 East
Vernal, UT 84078
(435)781-4400

12. Stipulations/Notices/Mitigation:

There are no stipulations or notices for this location.

13. Other Information:

A Class III archaeological survey has been conducted for this location and submitted to the Ute Indian Tribe prior to the on-site inspection.

14. Lessee's or Operator's Representative & Certification:

Kathy Schneebeck Dulnoan
Staff Regulatory Analyst
Kerr-McGee Oil & Gas Onshore LP
PO Box 173779
Denver, CO 80217-3779
(720) 929-6226

Tommy Thompson
General Manager, Drilling
Kerr-McGee Oil & Gas Onshore LP
PO Box 173779
Denver, CO 80217-3779
(720) 929-6724

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Land Management Nationwide Bond #WYB000291.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that I have full knowledge of the State and Federal laws applicable to this operation; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

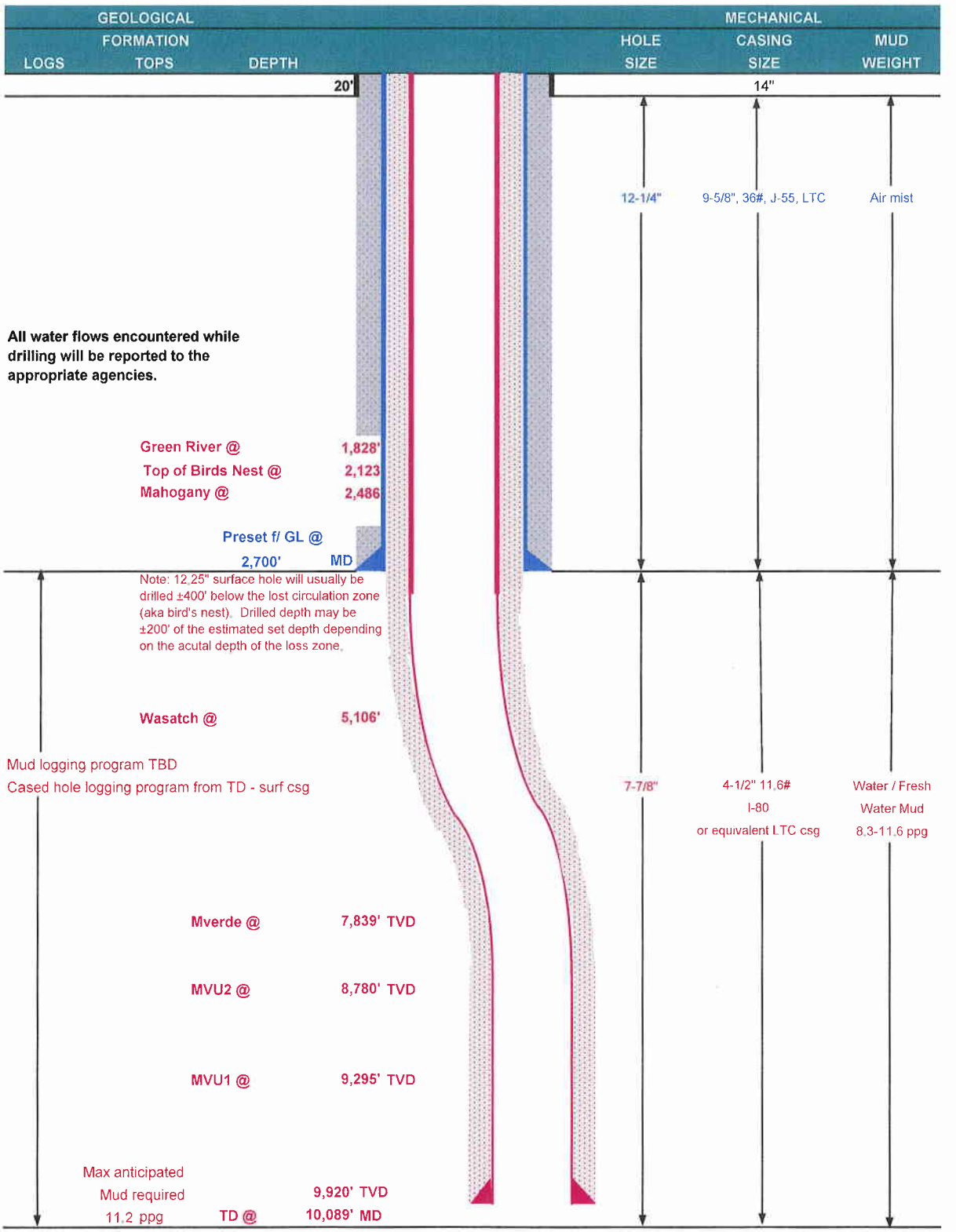
Kathy Schneebeck Dulnoan — 3/4/2009

Kathy Schneebeck Dulnoan — Date

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP			DATE	February 26, 2009		
WELL NAME	**NBU 922-18D3BS**			TD	10,089'	TVD	9,344' MD
FIELD	Natural Buttes	COUNTY	Uintah	STATE	Utah	ELEVATION	4,894' GL KB 4,909'
SURFACE LOCATION	SW/4 NW/4 1,881' FNL	370' FWL	Sec 18	T 9S	R 22E	Lot 2	
	Latitude: 40.038119	Longitude: -109.489406				NAD 27	
BTM HOLE LOCATION	NW/4 NW/4 ±877' FNL	±256' FWL	Sec 18	T 9S	R 22E	Lot 1	
	Latitude: 40.040675	Longitude: -109.489125				NAD 27	
OBJECTIVE ZONE(S)	Wasatch/Mesaverde						
ADDITIONAL INFO	Regulatory Agencies: BLM (Minerals), Tribal (Surface), Tri-County Health Dept.						



KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
						3520	2020	453000
SURFACE	9-5/8"	0 to 2,700	36.00	J-55	LTC	1.04	1.60	5.93
						7,780	6,350	201,000
PRODUCTION	4-1/2"	0 to 9,344	11.60	I-80	LTC	2.30	1.17	2.12

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))

2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft-partial evac gradient x TD)
(Burst Assumptions: TD = 11.2 ppg) 0.22 psi/ft = gradient for partially evac wellbore
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MASP 3,483 psi

3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD
(Burst Assumptions: TD = 11.2 ppg) 0.57 psi/ft = bottomhole gradient
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MABHP 5,762 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1			+ 0.25 pps flocele				
	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt	50		15.60	1.18
			+ 2% CaCl + 0.25 pps flocele				
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE		NOTE: If well will circulate water to surface, option 2 will be utilized					
Option 2	LEAD	1500	65/35 Poz + 6% Gel + 10 pps gilsonite	360	35%	12.60	1.81
			+ .25 pps Flocele + 3% salt BWOW				
	TAIL	500	Premium cmt + 2% CaCl	180	35%	15.60	1.18
			+ 0.25 pps flocele				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	4,604'	Premium Lite II + 3% KCl + 0.25 pps	440	40%	11.00	3.38
			celloflake + 5 pps gilsonite + 10% gel				
			+ 0.5% extender				
	TAIL	4,740'	50/50 Poz/G + 10% salt + 2% gel	1160	40%	14.30	1.31
			+.1% R-3				

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained
*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe
PRODUCTION	Float shoe, 1 jt, float collar. No centralizers will be used.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

Surveys will be taken at 1,000' minimum intervals.

Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: _____ **DATE:** _____
John Huycke / Grant Schluender

DRILLING SUPERINTENDENT: _____ **DATE:** _____
John Merkel / Lovel Young

Weatherford®

Drilling Services

Proposal

Anadarko® KerrMcGee

ANADARKO - KERR McGEE

NBU 922-18D3BS

UINTAH COUNTY, UTAH

WELL FILE: PLAN 2

OCTOBER 4, 2007

Weatherford International, Ltd.
15710 John F. Kennedy Blvd
Houston, Texas 77032 USA
+1.281.260.1300 Main
+1.281.260.4730 Fax
www.weatherford.com

ANADARKO KERR MCGEE OIL & GAS
NBU 922-18D3BS
UINTAH COUNTY, UTAH

Azimuths to Grid North
True North: -0.97°
Magnetic North: 10.60°

Magnetic Field
Strength: 52768nT
Dip Angle: 66.02°
Date: 9/25/2007
Model: bggm2006

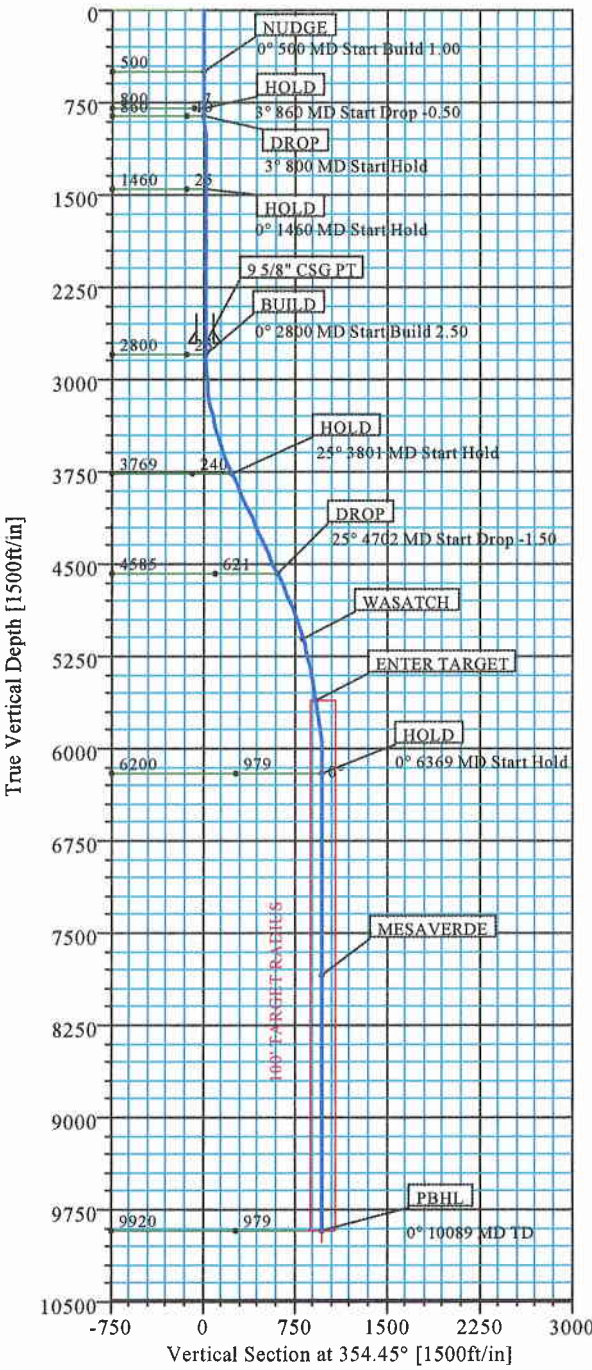
SECTION DETAILS

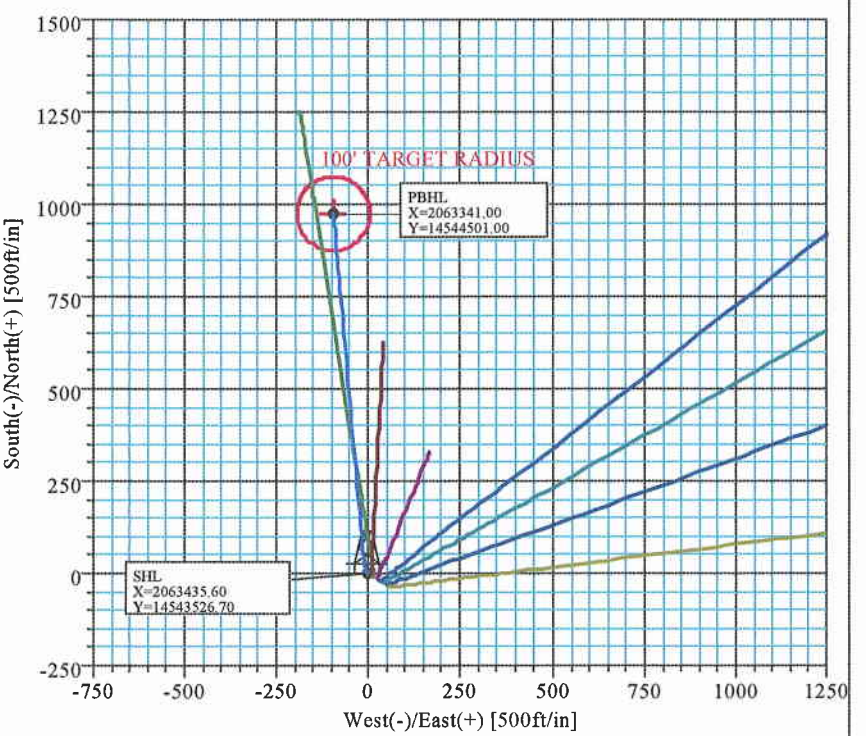
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	335.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	500.00	0.00	335.00	500.00	0.00	0.00	0.00	335.00	0.00	
3	800.00	3.00	335.00	799.86	7.12	-3.32	1.00	-25.00	7.40	
4	860.00	3.00	335.00	859.78	9.96	-4.65	0.00	0.00	10.36	
5	1460.00	0.00	354.99	1459.51	24.20	-11.28	0.50	180.00	25.17	
6	2800.49	0.00	354.99	2800.00	24.20	-11.28	0.00	335.00	25.17	
7	3800.73	25.01	354.99	3768.79	238.20	-30.05	2.50	0.00	239.99	
8	4701.76	25.01	354.99	4585.36	617.62	-63.32	0.00	0.00	620.85	
9	6368.83	0.00	354.99	6200.00	974.30	-94.60	1.50	180.00	978.88	
10	10088.83	0.00	354.99	9920.00	974.30	-94.60	0.00	354.99	978.88	PBHL

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
922-18D3BS	0.00	0.00	14543526.70	2063435.60	40°02'17.352N	109°29'19.398W	N/A

KB = 4908'
GR = 4893'





LEGEND
- 922-18C4BS (1)
- 922-18C4CS (1)
- 922-18D2S (1)
- 922-18D3DS (1)
- 922-18E2S (1)
- 922-18F1BS (1)
- 922-18F1CS (1)
- Plan #2

FORMATION TOP DETAILS

No.	TVDPath	MDPath	Formation
1	5106.00	5259.29	WASATCH
2	7839.00	8007.83	MESAVERDE

FIELD DETAILS

UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)

Geodetic System: Universal Transverse Mercator (USfeet)
Ellipsoid: NAD27 (Clarke 1866)
Zone: UTM Zone 12, North 114W to 108W
Magnetic Model: bggm2006

System Datum: Mean Sea Level
Local North: Grid North

CASING DETAILS

No.	TVD	MD	Name	Size
1	2700.00	2700.49	9 5/8" CSG PT	9.62

Plan: Plan #2 (922-18D3BS/1)

Created By: R. JOYNER Date: 10/4/2007

Weatherford Drilling Services
DIRECTIONAL PLAN REPORT

Weatherford

Company:	Anadarko-Kerr-McGee	**Date:** 10/4/2007	**Time:** 09:07:59	**Page:**	1
Field:	UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)	**Co-ordinate(NE) Reference:**	Site: NBU 922-18D3BS PAD CDEF		
Site:	NBU 922-18D3BS PAD CDEF	**Vertical (TVD) Reference:**	SITE 4908.0		
Well:	922-18D3BS	**Section (VS) Reference:**	Well (0.00N,0.00E,354.45Azi)		
Wellpath:	1	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Plan:	Plan #2	**Date Composed:**	10/4/2007
		Version:	1
Principal:	Yes	**Tied-to:**	From Surface

Field:	UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)		
Map System:	Universal Transverse Mercator (USfeet)	**Map Zone:**	UTM Zone 12, North 114W to 108W
Geo Datum:	NAD27 (Clarke 1866)	**Coordinate System:**	Site Centre
Sys Datum:	Mean Sea Level	**Geomagnetic Model:**	bggm2006

Site:	NBU 922-18D3BS PAD CDEF				
	1853' FNL 329' FWL SEC 18-T9S-R22E				
Site Position:		**Northing:** 14543526.70 ft	**Latitude:**	40 2 17.352	N
From:	Map	**Easting:** 2063435.60 ft	**Longitude:**	109 29 19.398	W
Position Uncertainty:	0.00 ft		**North Reference:**	Grid	
Ground Level:	4893.00 ft		**Grid Convergence:**	0.97	deg

Well:	922-18D3BS			**Slot Name:**		
Well Position:	+N/-S	0.00 ft	**Northing:** 14543526.70 ft	**Latitude:**	40 2 17.352	N
	+E/-W	0.00 ft	**Easting :** 2063435.60 ft	**Longitude:**	109 29 19.398	W
Position Uncertainty:		0.00 ft				

Wellpath:	1		**Drilled From:**	Surface
			Tie-on Depth:	0.00 ft
Current Datum:	SITE	**Height** 4908.00 ft	**Above System Datum:**	Mean Sea Level
Magnetic Data:	9/25/2007		**Declination:**	11.57 deg
Field Strength:	52768 nT		**Mag Dip Angle:**	66.02 deg

Vertical Section:	**Depth From (TVD)** ft	**+N/-S** ft	**+E/-W** ft	**Direction** deg
	0.00	0.00	0.00	354.45

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	335.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	335.00	500.00	0.00	0.00	0.00	0.00	0.00	335.00	
800.00	3.00	335.00	799.86	7.12	-3.32	1.00	1.00	0.00	-25.00	
860.00	3.00	335.00	859.78	9.96	-4.65	0.00	0.00	0.00	0.00	
1460.00	0.00	354.99	1459.51	24.20	-11.28	0.50	-0.50	0.00	180.00	
2800.49	0.00	354.99	2800.00	24.20	-11.28	0.00	0.00	0.00	335.00	
3800.73	25.01	354.99	3768.79	238.20	-30.05	2.50	2.50	0.00	0.00	
4701.76	25.01	354.99	4585.36	617.62	-63.32	0.00	0.00	0.00	0.00	
6368.83	0.00	354.99	6200.00	974.30	-94.60	1.50	-1.50	0.00	180.00	
10088.83	0.00	354.99	9920.00	974.30	-94.60	0.00	0.00	0.00	354.99	PBHL

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
500.00	0.00	335.00	500.00	0.00	0.00	0.00	0.00	14543526.70	2063435.60	NUDGE
600.00	1.00	335.00	599.99	0.79	-0.37	0.82	1.00	14543527.49	2063435.23	
700.00	2.00	335.00	699.96	3.16	-1.48	3.29	1.00	14543529.86	2063434.12	
800.00	3.00	335.00	799.86	7.12	-3.32	7.40	1.00	14543533.82	2063432.28	HOLD
860.00	3.00	335.00	859.78	9.96	-4.65	10.36	0.00	14543536.66	2063430.95	DROP
900.00	2.80	335.00	899.73	11.80	-5.50	12.27	0.50	14543538.50	2063430.10	
1000.00	2.30	335.00	999.63	15.83	-7.38	16.47	0.50	14543542.53	2063428.22	
1100.00	1.80	335.00	1099.57	19.07	-8.89	19.84	0.50	14543545.77	2063426.71	
1200.00	1.30	335.00	1199.53	21.52	-10.04	22.39	0.50	14543548.22	2063425.56	
1300.00	0.80	335.00	1299.51	23.18	-10.81	24.12	0.50	14543549.88	2063424.79	
1400.00	0.30	335.00	1399.51	24.05	-11.22	25.02	0.50	14543550.75	2063424.38	
1460.00	0.00	354.99	1459.51	24.20	-11.28	25.17	0.50	14543550.90	2063424.32	HOLD

Weatherford Drilling Services
DIRECTIONAL PLAN REPORT

Weatherford

Company:	Anadarko-Kerr-McGee	**Date:** 10/4/2007	**Time:** 09:07:59	**Page:**	2
Field:	UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)	**Co-ordinate(NE) Reference:**	Site: NBU 922-18D3BS PAD CDEF		
Site:	NBU 922-18D3BS PAD CDEF	**Vertical (TVD) Reference:**	SITE 4908.0		
Well:	922-18D3BS	**Section (VS) Reference:**	Well (0.00N,0.00E,354.45Azi)		
Wellpath:	1	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
1500.00	0.00	354.99	1499.51	24.20	-11.28	25.17	0.00	14543550.90	2063424.32	
1600.00	0.00	354.99	1599.51	24.20	-11.28	25.17	0.00	14543550.90	2063424.32	
1700.00	0.00	354.99	1699.51	24.20	-11.28	25.17	0.00	14543550.90	2063424.32	
1800.00	0.00	354.99	1799.51	24.20	-11.28	25.17	0.00	14543550.90	2063424.32	
1900.00	0.00	354.99	1899.51	24.20	-11.28	25.17	0.00	14543550.90	2063424.32	
2000.00	0.00	354.99	1999.51	24.20	-11.28	25.17	0.00	14543550.90	2063424.32	
2100.00	0.00	354.99	2099.51	24.20	-11.28	25.17	0.00	14543550.90	2063424.32	
2200.00	0.00	354.99	2199.51	24.20	-11.28	25.17	0.00	14543550.90	2063424.32	
2300.00	0.00	354.99	2299.51	24.20	-11.28	25.17	0.00	14543550.90	2063424.32	
2400.00	0.00	354.99	2399.51	24.20	-11.28	25.17	0.00	14543550.90	2063424.32	
2500.00	0.00	354.99	2499.51	24.20	-11.28	25.17	0.00	14543550.90	2063424.32	
2600.00	0.00	354.99	2599.51	24.20	-11.28	25.17	0.00	14543550.90	2063424.32	
2700.00	0.00	354.99	2699.51	24.20	-11.28	25.17	0.00	14543550.90	2063424.32	
2700.49	0.00	354.99	2700.00	24.20	-11.28	25.17	0.00	14543550.90	2063424.32	9 5/8" CSG PT
2800.00	0.00	354.99	2799.51	24.20	-11.28	25.17	0.00	14543550.90	2063424.32	
2800.49	0.00	354.99	2800.00	24.20	-11.28	25.17	0.00	14543550.90	2063424.32	BUILD
2900.00	2.49	354.99	2899.48	26.35	-11.47	27.33	2.50	14543553.05	2063424.13	
3000.00	4.99	354.99	2999.25	32.84	-12.04	33.85	2.50	14543559.54	2063423.56	
3100.00	7.49	354.99	3098.65	43.66	-12.99	44.71	2.50	14543570.36	2063422.61	
3200.00	9.99	354.99	3197.49	58.80	-14.32	59.90	2.50	14543585.50	2063421.28	
3300.00	12.49	354.99	3295.56	78.21	-16.02	79.39	2.50	14543604.91	2063419.58	
3400.00	14.99	354.99	3392.69	101.86	-18.09	103.13	2.50	14543628.56	2063417.51	
3500.00	17.49	354.99	3488.70	129.72	-20.54	131.09	2.50	14543656.42	2063415.06	
3600.00	19.99	354.99	3583.39	161.71	-23.34	163.21	2.50	14543688.41	2063412.26	
3700.00	22.49	354.99	3676.59	197.80	-26.51	199.43	2.50	14543724.50	2063409.09	
3800.00	24.99	354.99	3768.12	237.89	-30.02	239.68	2.50	14543764.59	2063405.58	
3800.73	25.01	354.99	3768.78	238.20	-30.05	239.99	2.50	14543764.90	2063405.55	HOLD
3900.00	25.01	354.99	3858.75	280.00	-33.72	281.95	0.00	14543806.70	2063401.88	
4000.00	25.01	354.99	3949.38	322.11	-37.41	324.22	0.00	14543848.81	2063398.19	
4100.00	25.01	354.99	4040.00	364.22	-41.10	366.49	0.00	14543890.92	2063394.50	
4200.00	25.01	354.99	4130.63	406.33	-44.79	408.76	0.00	14543933.03	2063390.81	
4300.00	25.01	354.99	4221.25	448.44	-48.49	451.03	0.00	14543975.14	2063387.11	
4400.00	25.01	354.99	4311.88	490.55	-52.18	493.30	0.00	14544017.25	2063383.42	
4500.00	25.01	354.99	4402.51	532.66	-55.87	535.57	0.00	14544059.36	2063379.73	
4600.00	25.01	354.99	4493.13	574.77	-59.56	577.84	0.00	14544101.47	2063376.04	
4700.00	25.01	354.99	4583.76	616.88	-63.26	620.11	0.00	14544143.58	2063372.34	
4701.76	25.01	354.99	4585.36	617.62	-63.32	620.85	0.00	14544144.32	2063372.28	DROP
4800.00	23.53	354.99	4674.91	657.85	-66.85	661.23	1.50	14544184.55	2063368.75	
4900.00	22.03	354.99	4767.11	696.42	-70.23	699.95	1.50	14544223.12	2063365.37	
5000.00	20.53	354.99	4860.28	732.58	-73.40	736.24	1.50	14544259.28	2063362.20	
5100.00	19.03	354.99	4954.38	766.29	-76.36	770.08	1.50	14544292.99	2063359.24	
5200.00	17.53	354.99	5049.33	797.54	-79.10	801.45	1.50	14544324.24	2063356.50	
5259.29	16.64	354.99	5106.00	814.89	-80.62	818.87	1.50	14544341.59	2063354.98	WASATCH
5300.00	16.03	354.99	5145.07	826.30	-81.62	830.32	1.50	14544353.00	2063353.98	
5400.00	14.53	354.99	5241.53	852.56	-83.92	856.68	1.50	14544379.26	2063351.68	
5500.00	13.03	354.99	5338.65	876.29	-86.01	880.50	1.50	14544402.99	2063349.59	
5600.00	11.53	354.99	5436.35	897.48	-87.86	901.77	1.50	14544424.18	2063347.74	
5700.00	10.03	354.99	5534.59	916.12	-89.50	920.48	1.50	14544442.82	2063346.10	
5772.41	8.95	354.99	5606.00	928.01	-90.54	932.42	1.50	14544454.71	2063345.06	ENTER TARGET
5800.00	8.53	354.99	5633.27	932.19	-90.91	936.61	1.50	14544458.89	2063344.69	
5900.00	7.03	354.99	5732.35	945.67	-92.09	950.15	1.50	14544472.37	2063343.51	
6000.00	5.53	354.99	5831.75	956.58	-93.05	961.09	1.50	14544483.28	2063342.55	
6100.00	4.03	354.99	5931.40	964.88	-93.77	969.43	1.50	14544491.58	2063341.83	

Weatherford Drilling Services
DIRECTIONAL PLAN REPORT

Weatherford

Company:	Anadarko-Kerr-McGee	**Date:** 10/4/2007	**Time:** 09:07:59	**Page:**	3
Field:	UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)	**Co-ordinate(NE) Reference:**	Site: NBU 922-18D3BS PAD CDEF		
Site:	NBU 922-18D3BS PAD CDEF	**Vertical (TVD) Reference:**	SITE 4908.0		
Well:	922-18D3BS	**Section (VS) Reference:**	Well (0.00N,0.00E,354.45Azi)		
Wellpath:	1	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
6200.00	2.53	354.99	6031.23	970.58	-94.27	975.15	1.50	14544497.28	2063341.33	
6300.00	1.03	354.99	6131.18	973.68	-94.55	978.26	1.50	14544500.38	2063341.05	
6368.83	0.00	354.99	6200.00	974.30	-94.60	978.88	1.50	14544501.00	2063341.00	HOLD
6400.00	0.00	354.99	6231.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
6500.00	0.00	354.99	6331.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
6600.00	0.00	354.99	6431.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
6700.00	0.00	354.99	6531.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
6800.00	0.00	354.99	6631.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
6900.00	0.00	354.99	6731.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
7000.00	0.00	354.99	6831.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
7100.00	0.00	354.99	6931.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
7200.00	0.00	354.99	7031.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
7300.00	0.00	354.99	7131.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
7400.00	0.00	354.99	7231.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
7500.00	0.00	354.99	7331.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
7600.00	0.00	354.99	7431.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
7700.00	0.00	354.99	7531.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
7800.00	0.00	354.99	7631.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
7900.00	0.00	354.99	7731.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
8000.00	0.00	354.99	7831.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
8007.83	0.00	354.99	7839.00	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	MESAVERDE
8100.00	0.00	354.99	7931.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
8200.00	0.00	354.99	8031.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
8300.00	0.00	354.99	8131.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
8400.00	0.00	354.99	8231.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
8500.00	0.00	354.99	8331.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
8600.00	0.00	354.99	8431.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
8700.00	0.00	354.99	8531.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
8800.00	0.00	354.99	8631.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
8900.00	0.00	354.99	8731.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
9000.00	0.00	354.99	8831.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
9100.00	0.00	354.99	8931.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
9200.00	0.00	354.99	9031.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
9300.00	0.00	354.99	9131.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
9400.00	0.00	354.99	9231.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
9500.00	0.00	354.99	9331.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
9600.00	0.00	354.99	9431.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
9700.00	0.00	354.99	9531.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
9800.00	0.00	354.99	9631.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
9900.00	0.00	354.99	9731.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
10000.00	0.00	354.99	9831.17	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	
10088.83	0.00	354.99	9920.00	974.30	-94.60	978.88	0.00	14544501.00	2063341.00	PBHL

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<---- Latitude ----> Deg Min Sec	<--- Longitude ---> Deg Min Sec
PBHL -Circle (Radius: 100) -Plan hit target			9920.00	974.30	-94.60	14544501.00	2063341.00	40 2 26.997 N	109 29 20.402 W

Weatherford Drilling Services
DIRECTIONAL PLAN REPORT

Weatherford

Company:	Anadarko-Kerr-McGee	**Date:** 10/4/2007	**Time:** 09:07:59	**Page:**	4
Field:	UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)	**Co-ordinate(NE) Reference:**	Site: NBU 922-18D3BS PAD CDEF		
Site:	NBU 922-18D3BS PAD CDEF	**Vertical (TVD) Reference:**	SITE 4908.0		
Well:	922-18D3BS	**Section (VS) Reference:**	Well (0.00N,0.00E,354.45Azi)		
Wellpath:	1	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
2700.49	2700.00	9.62	9.62	9 5/8" CSG PT

Annotation

MD ft	TVD ft	
500.00	500.00	NUDGE
800.00	799.86	HOLD
860.00	859.78	DROP
1460.00	1459.51	HOLD
2800.49	2800.00	BUILD
3800.73	3768.78	HOLD
5772.41	5606.00	ENTER TARGET
4701.76	4585.35	DROP
6368.83	6200.00	HOLD
10088.83	9920.00	PBHL

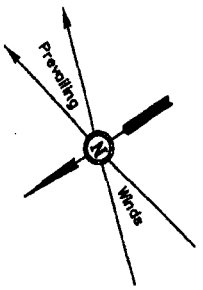
Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
5259.29	5106.00	WASATCH		0.00	0.00
8007.83	7839.00	MESAVERDE		0.00	0.00

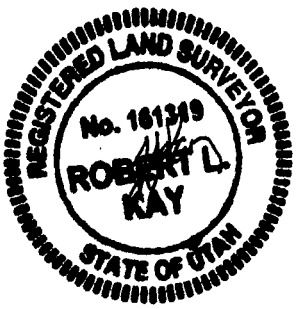
Kerr-McGee Oil & Gas Onshore LP

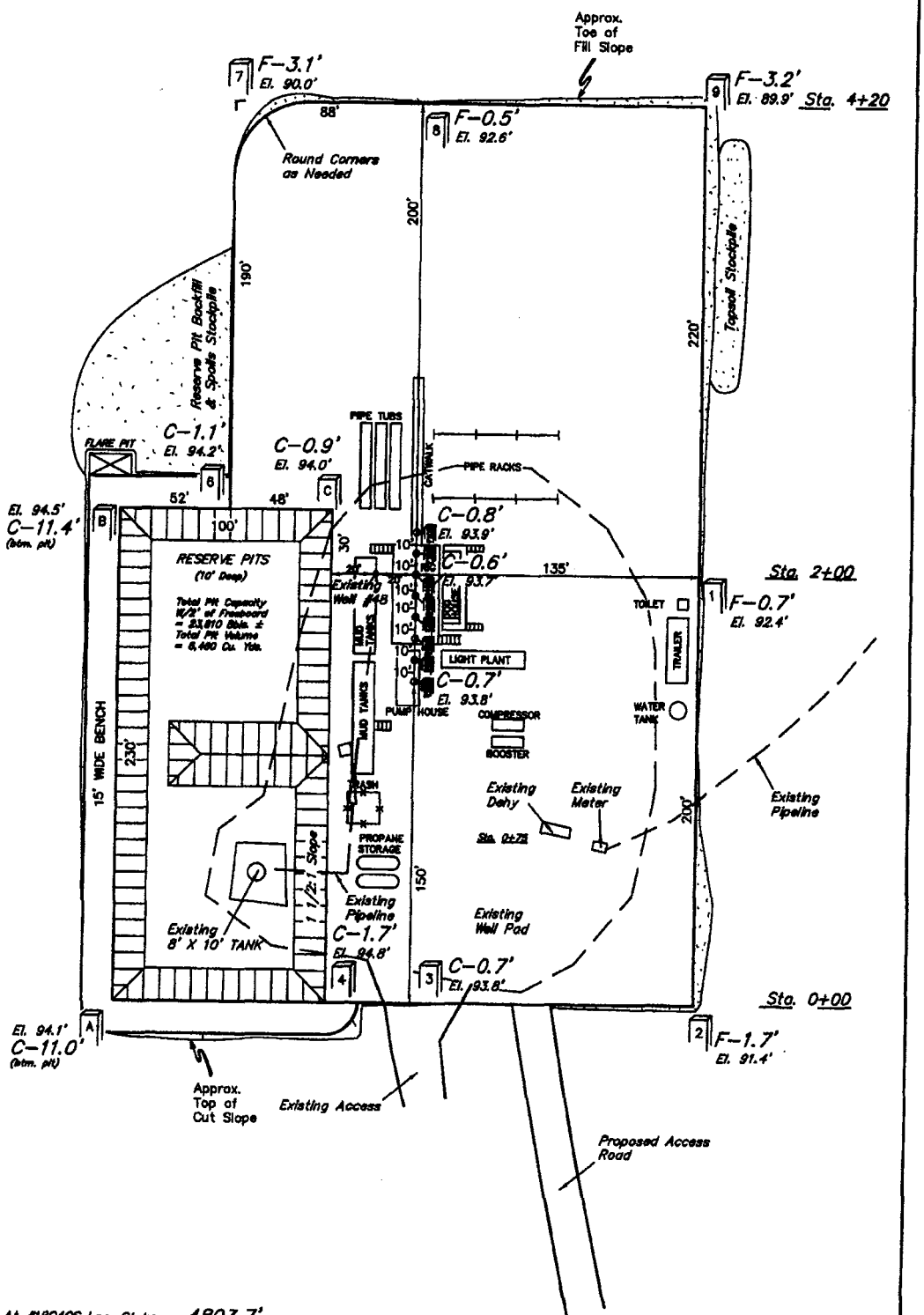
SITE PLAN LAYOUT FOR

NBU #922-18C4CS, F1BS, F1CS, C4BS, E2S, D3DS, D3BS, & D2S
SECTION 18, T9S, R22E, S.L.B.&M.
LOT2



SCALE: 1" = 50'
DATE: 5-18-07
Drawn By: C.H.





NOTES:

Elev. Ungraded Ground At #18C4CS Loc. Stake = 4893.7'
FINISHED GRADE ELEV. AT #18C4CS LOC. STAKE = 4893.1'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

Kerr-McGee Oil & Gas Onshore LP

TYPICAL CROSS SECTIONS FOR

NBU #922-18C4CS, F1BS, F1CS, C4BS, E2S, D3DS, D3BS, & D2S

SECTION 18, T9S, R22E, S.L.B.&M.

LOT2

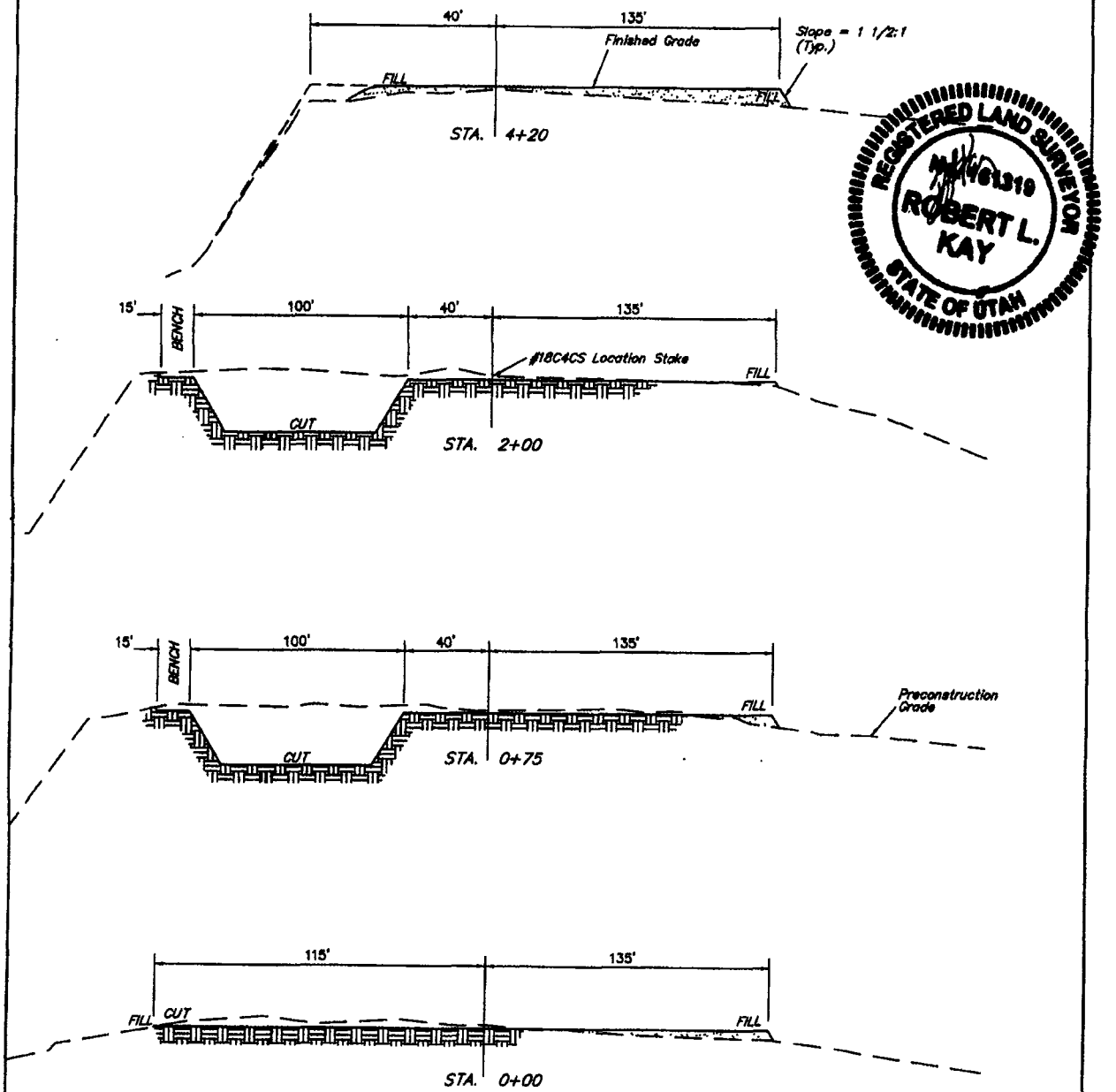
FIGURE #2

1" = 20' X-Section Scale

1" = 50'

DATE: 5-18-07

Drawn By: C.H.



REGISTERED LAND SURVEYOR
161319
ROBERT L. KAY
STATE OF UTAH

NOTE:
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE YARDAGES

CUT

(12") Topsoil Stripping = 4,410 Cu. Yds.

Remaining Location = 6,670 Cu. Yds.

TOTAL CUT = 11,080 CU.YDS.

FILL = 3,440 CU.YDS.

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

EXCESS MATERIAL = 7,640 Cu. Yds.

Topsoil & Pit Backfill (1/2 Pit Vol.) = 7,640 Cu. Yds.

EXCESS UNBALANCE (After Interim Rehabilitation) = 0 Cu. Yds.

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Kerr-McGee Oil & Gas Onshore LP

SITE PLAN LAYOUT FOR

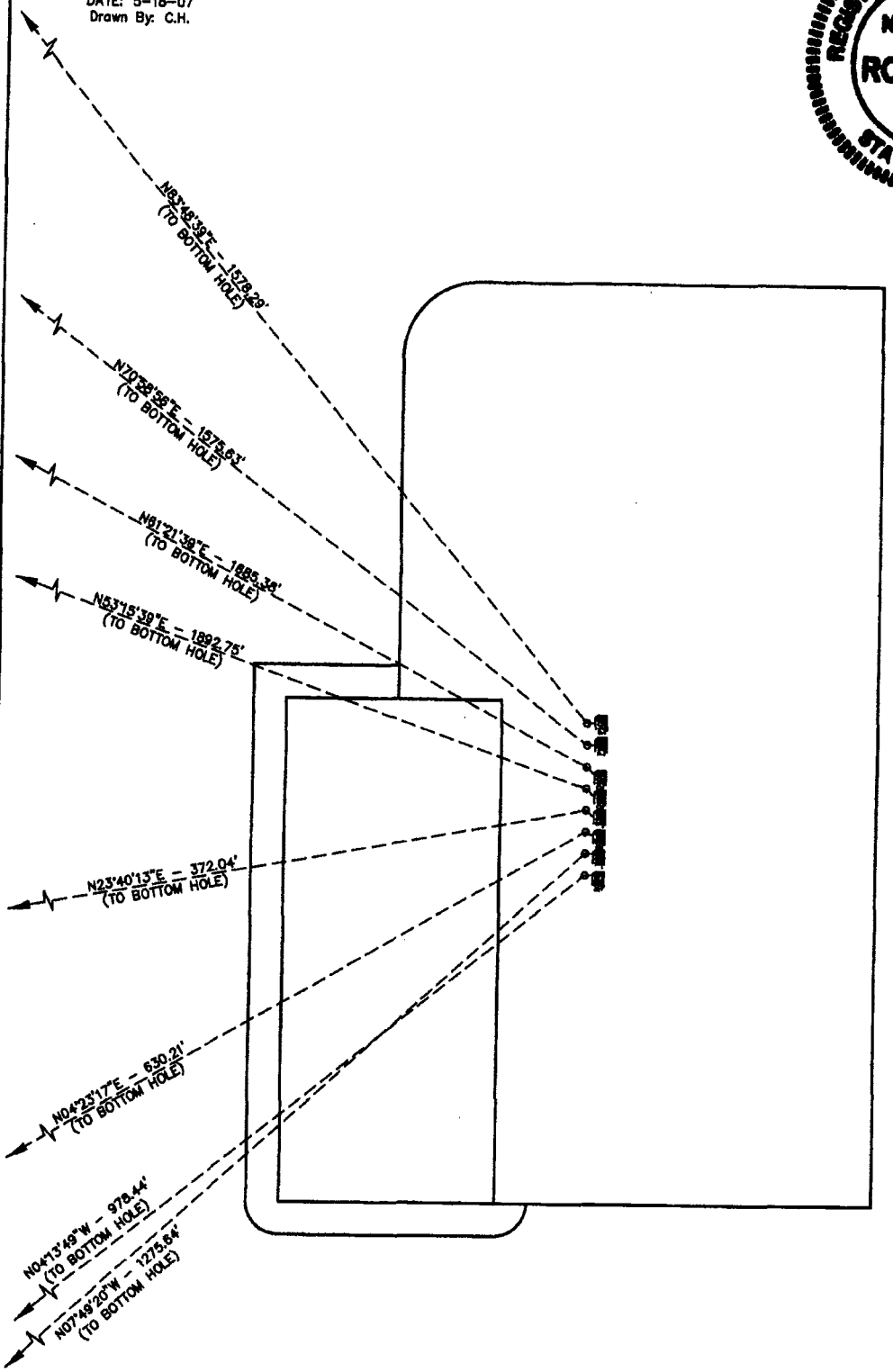
NBU #922-18K2, K2DS, K1BS, E3CS, E3S, K2BS, F4CS, & F4BS

SECTION 18, T9S, R22E, S.L.B.&M.

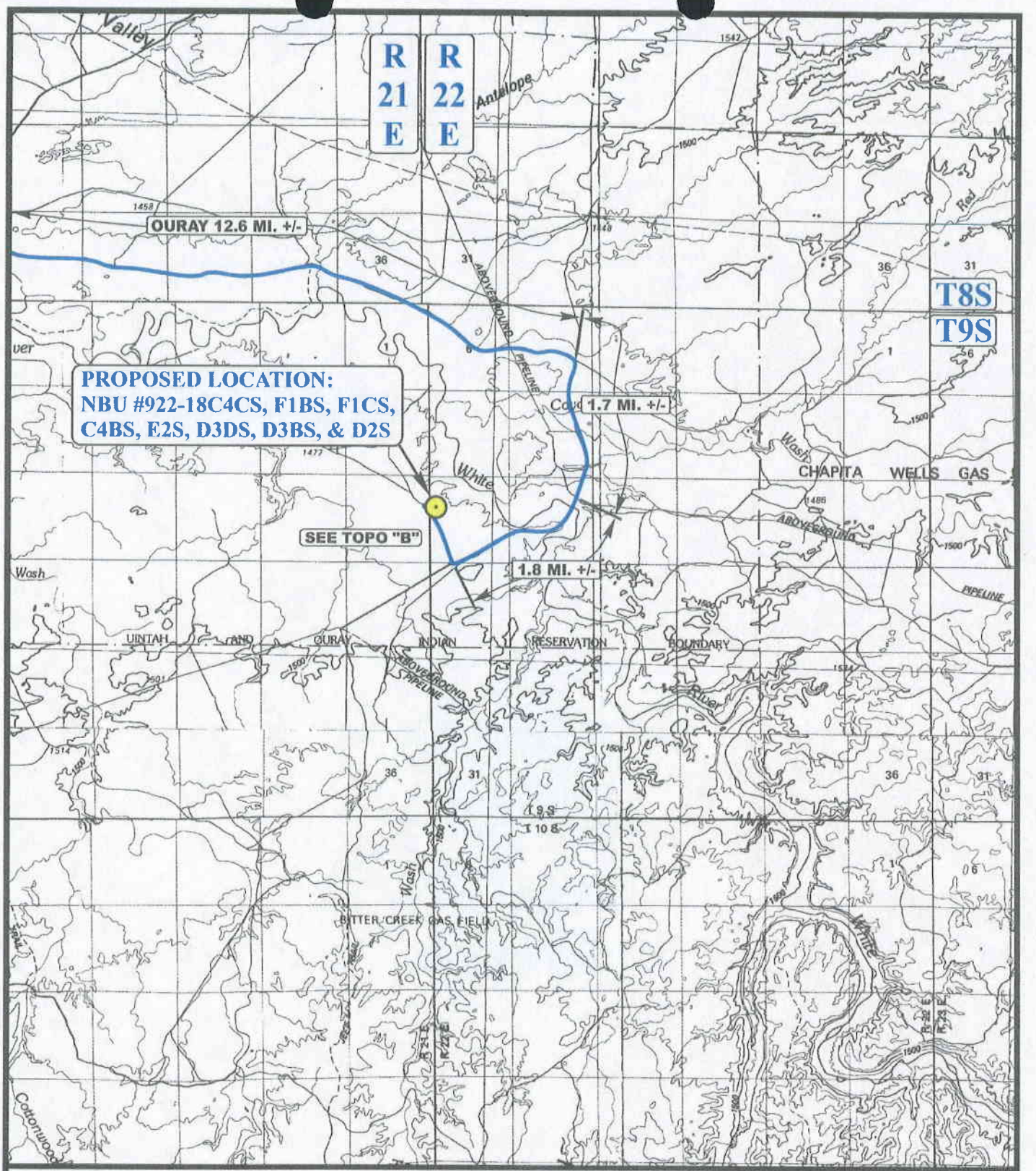
NE 1/4 SW 1/4

SCALE: 1" = 50'
DATE: 5-18-07
Drawn By: C.H.

REGISTERED LAND SURVEYOR
No. 161319
ROBERT L. KAY
STATE OF UTAH



UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017



LEGEND:

PROPOSED LOCATION

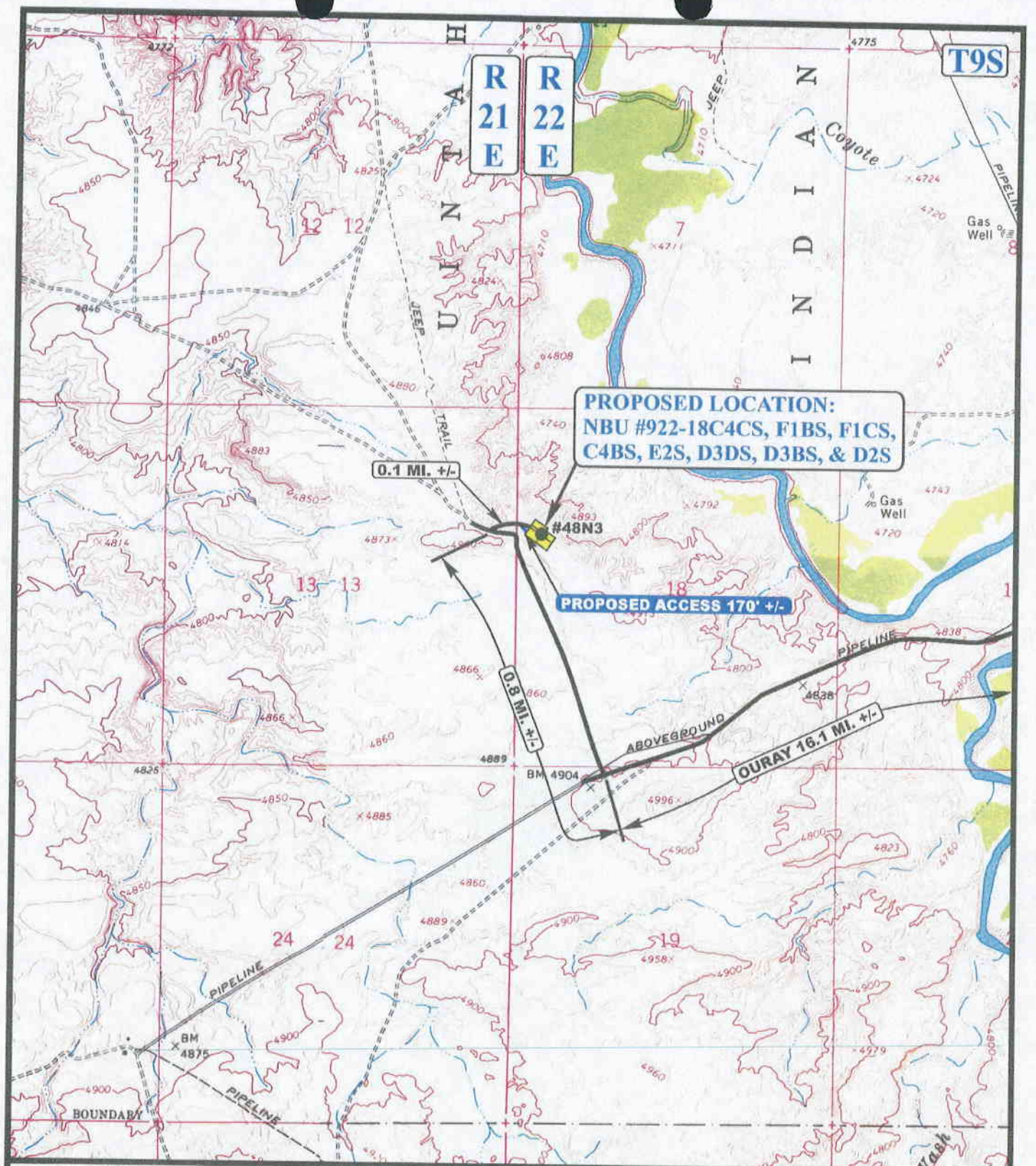
N

Kerr-McGee Oil & Gas Onshore LP

NBU #922-18C4CS, F1BS, F1CS, C4BS, E2S, D3DS, D3BS, &D2S
SECTION 18, T9S, R22E, S.L.B.&M.
LOT 2

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	05 MONTH	16 DAY	07 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: C.P.	REVISED: 00-00-00		



LEGEND:

EXISTING ROAD

PROPOSED ACCESS ROAD

N

Kerr-McGee Oil & Gas Onshore LP

NBU #922-18C4CS, F1BS, F1CS, C4BS, E2S, D3DS, D3BS, &D2S

SECTION 18, T9S, R22E, S.L.B.&M.

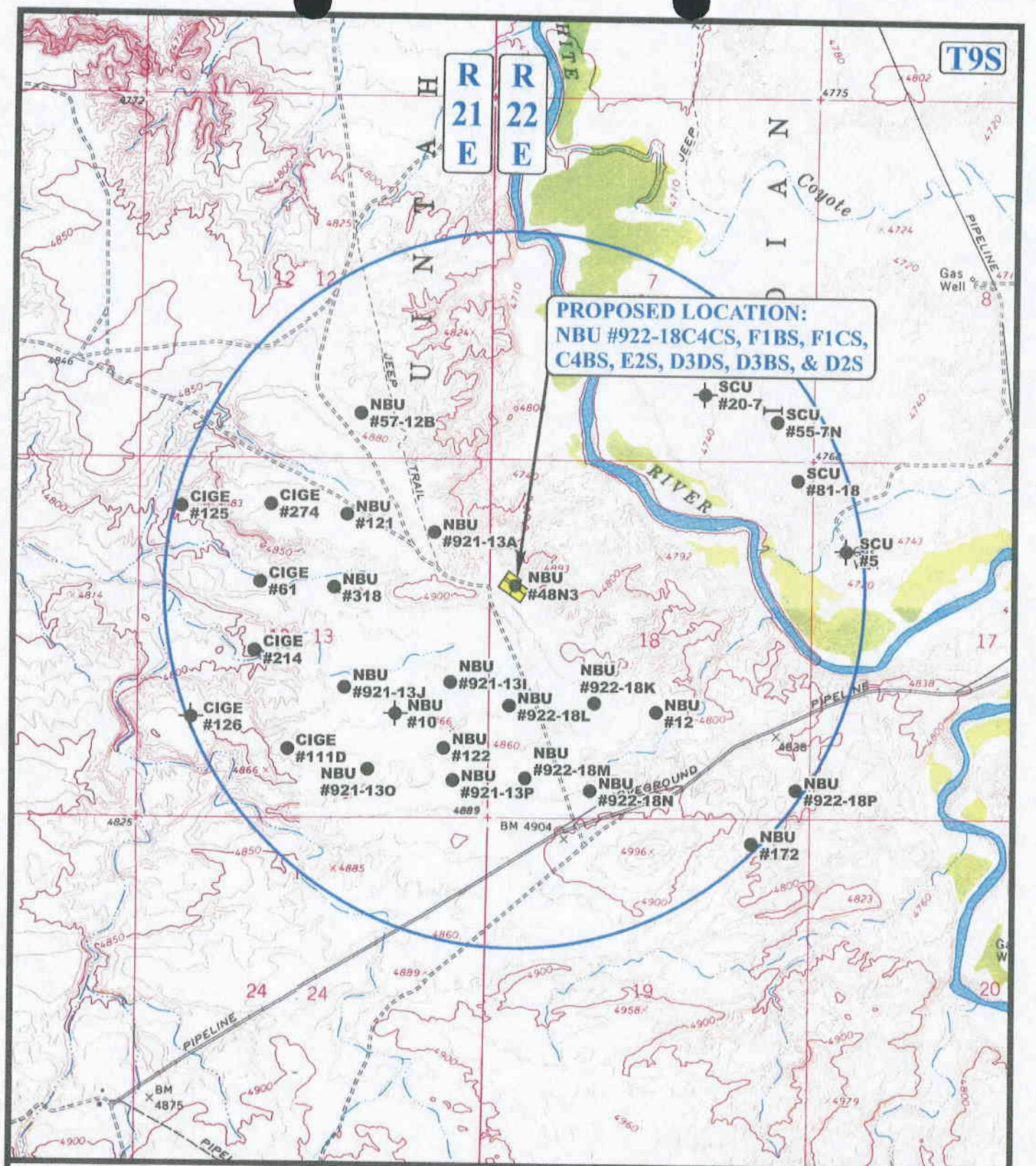
LOT 2

Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078

(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	05 MONTH	16 DAY	07 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: C.P.	REVISED: 00-00-00		



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

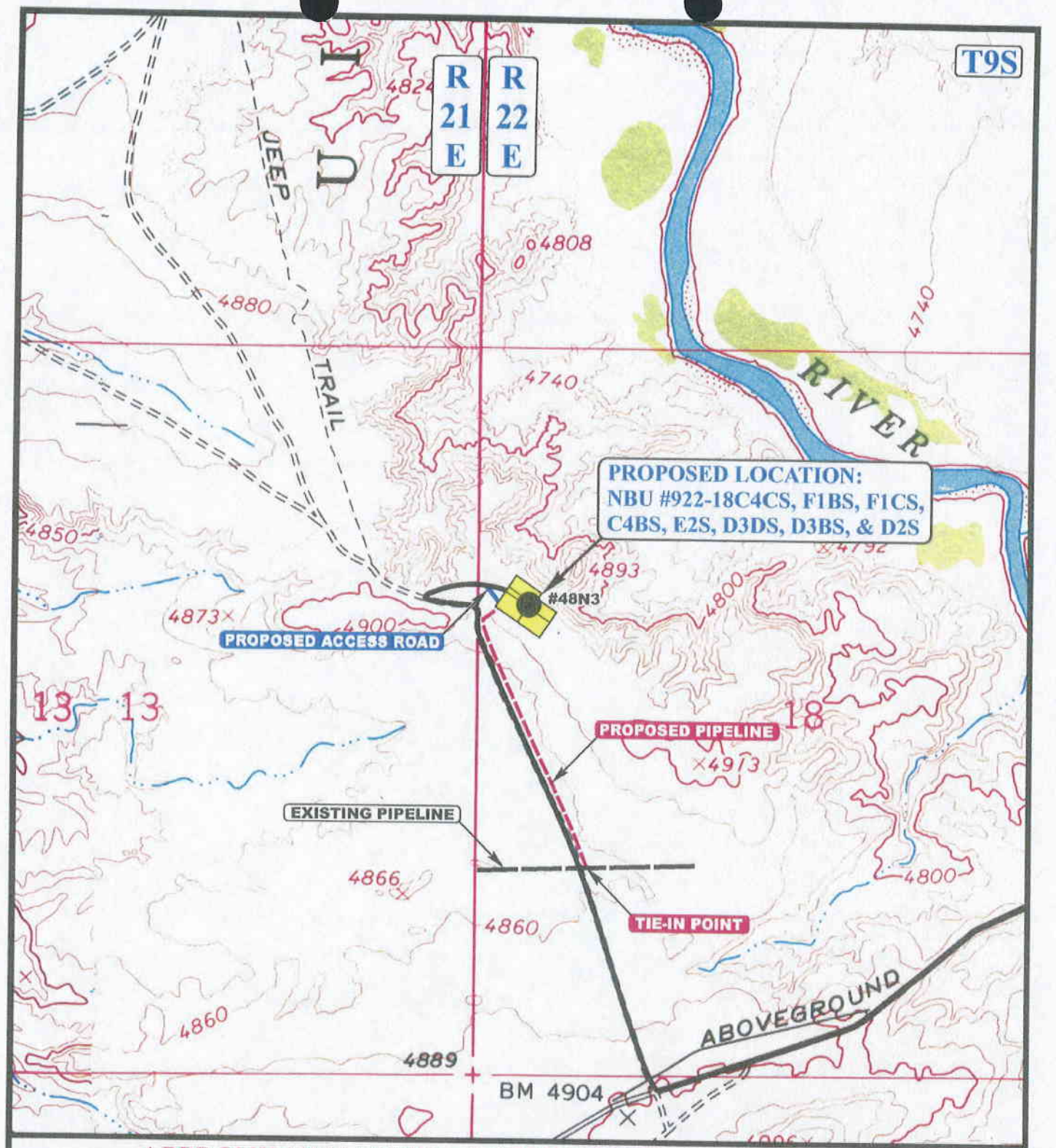
N

Kerr-McGee Oil & Gas Onshore LP

NBU #922-18C4CS, F1BS, F1CS, C4BS, E2S, D3DS, D3BS, &D2S
SECTION 18, T9S, R22E, S.L.B.&M.
LOT 2

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	05 MONTH	16 DAY	07 YEAR	C TOPO
SCALE: 1" = 2000'	DRAWN BY: C.P.	REVISED: 00-00-00		



APPROXIMATE TOTAL PIPELINE DISTANCE = 2,141' +/-

LEGEND:

PROPOSED ACCESS ROAD
EXISTING PIPELINE
PROPOSED PIPELINE

N

Kerr-McGee Oil & Gas Onshore LP

NBU #922-18C4CS, F1BS, F1CS, C4BS, E2S, D3DS, D3BS, &D2S
SECTION 18, T9S, R22E, S.L.B.&M.
LOT 2

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	05 MONTH	16 DAY	07 YEAR	D TOPO
SCALE: 1" = 1000'	DRAWN BY: C.P.	REVISED: 00-00-00		

Kerr-McGee Oil & Gas Onshore LP

NBU #922-18C4CS, F1BS, F1CS, C4BS, E2S, D3DS, D3BS, & D2S

LOCATED IN UINTAH COUNTY, UTAH
SECTION 18, T9S, R22E, S.L.B.&M.

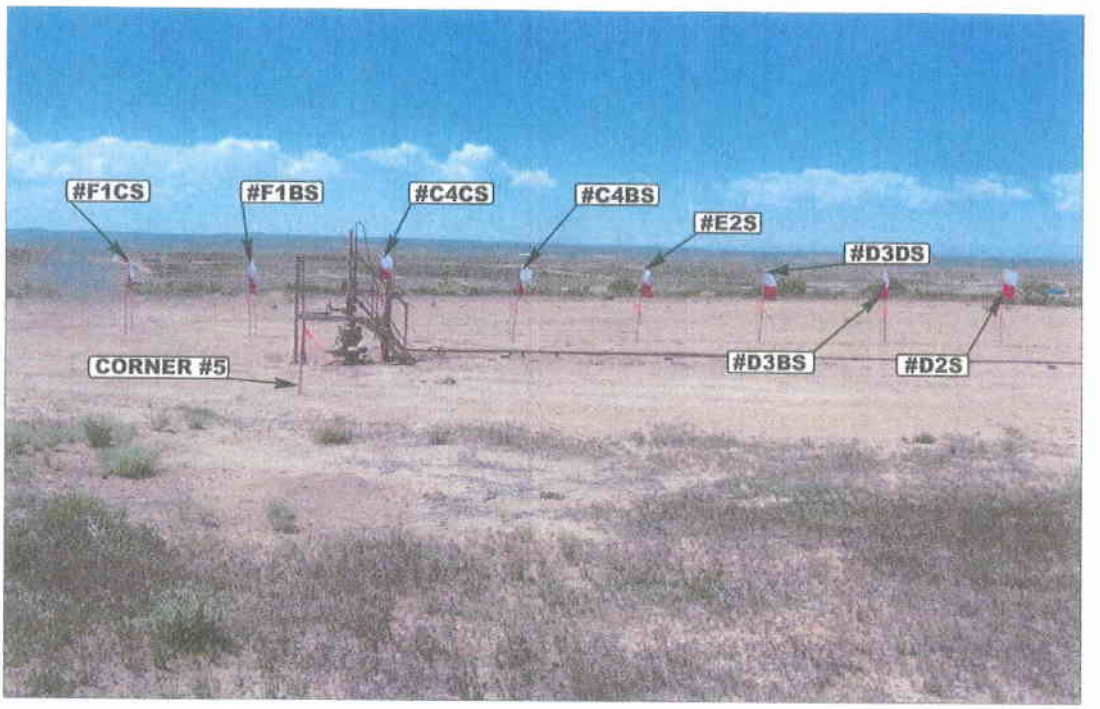


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKES **CAMERA ANGLE: SOUTHWESTERLY**

PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS **CAMERA ANGLE: EASTERLY**

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com
- Since 1964 -

LOCATION PHOTOS	05 MONTH	16 DAY	07 YEAR	PHOTO
TAKEN BY: L.K.	DRAWN BY: C.P.	REVISED: 00-00-00		

Kerr-McGee Oil & Gas Onshore LP

NBU #922-18C4CS, F1BS, F1CS, C4BS, E2S, D3DS, D3BS, & D2S

PIPELINE ALIGNMENT

LOCATED IN UINTAH COUNTY, UTAH

SECTION 18, T9S, R22E, S.L.B.&M.

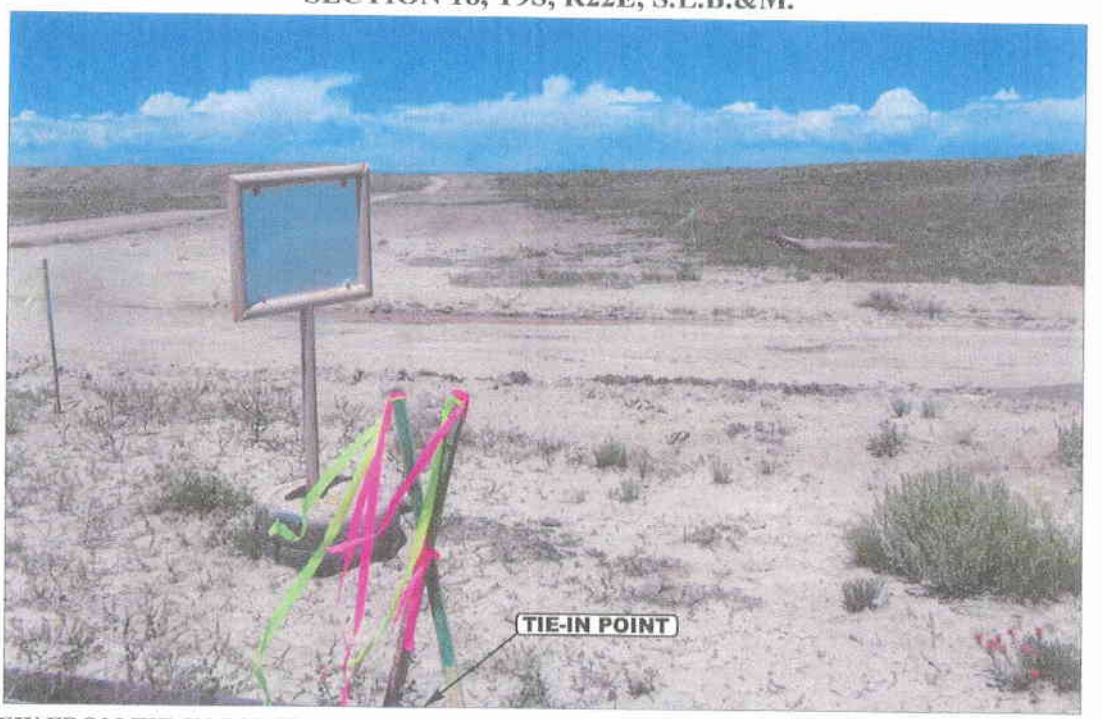


PHOTO: VIEW FROM TIE-IN POINT

CAMERA ANGLE: NORTHWESTERLY

PHOTO: VIEW OF PIPELINE ALIGNMENT

CAMERA ANGLE: NORTHWESTERLY

- Since 1964 -

Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078

435-789-1017 uels@uelsinc.com

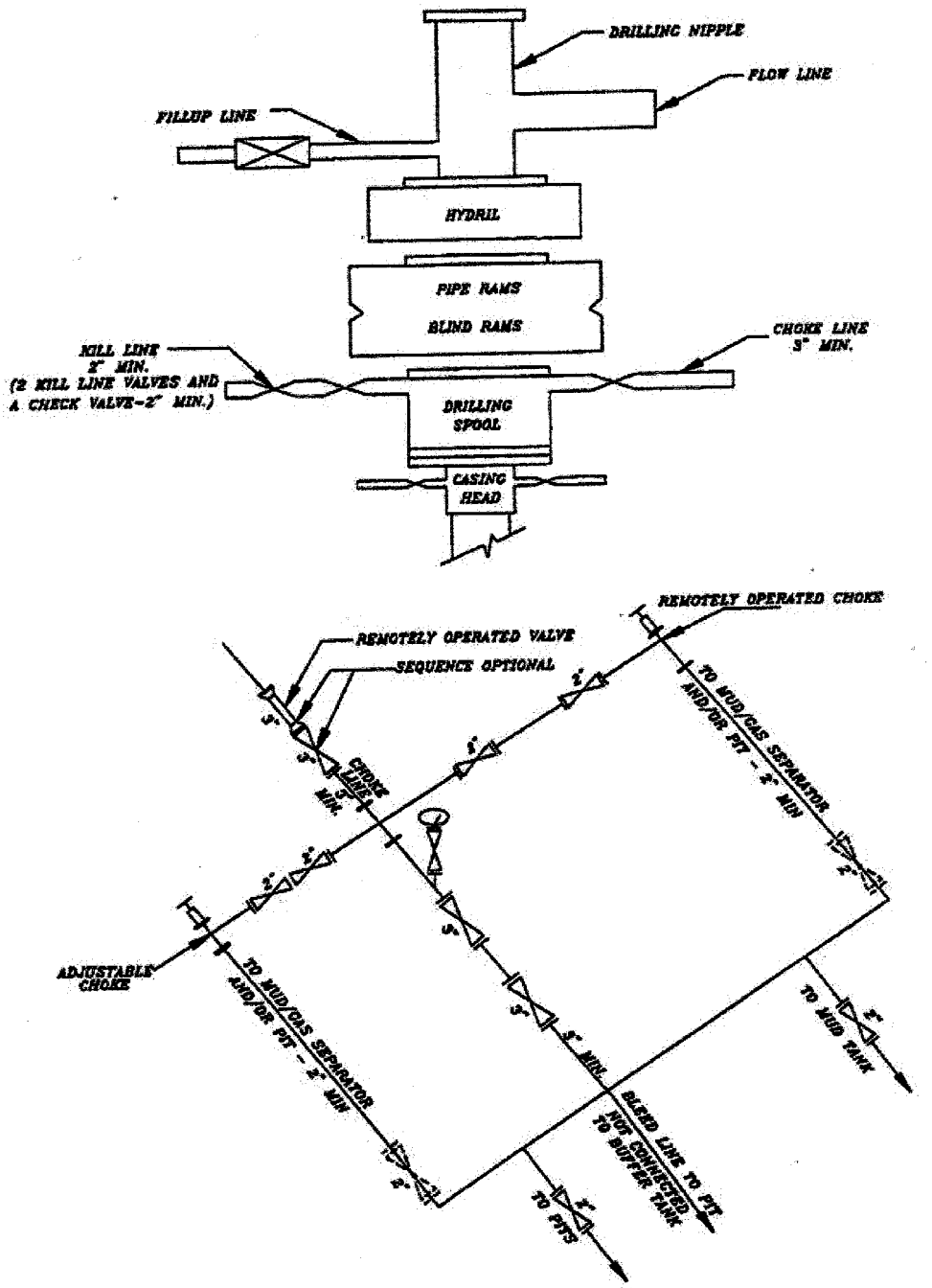
PIPELINE PHOTOS	05 MONTH	16 DAY	07 YEAR	PHOTO
TAKEN BY: L.K.	DRAWN BY: C.P.	REVISED: 00-00-00		

Kerr-McGee Oil & Gas Onshore LP
NBU #922-18C4CS, F1BS, F1CS, C4BS, E2S, D3DS, D3BS, & D2S
SECTION 18, T9S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 12.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 1.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN RIGHT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 170' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 48.0 MILES.

EXHIBIT A
NBU 922-18D3BS



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

WORKSHEET

APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/04/2009

API NO. ASSIGNED: 43-047-40592

WELL NAME: NBU 922-18D3BS

OPERATOR: KERR-MCGEE OIL & GAS (N2995)

PHONE NUMBER: 720-929-6007

CONTACT: KATHY DULNOAN

PROPOSED LOCATION:

SWNW 18 090S 220E

SURFACE: 1881 FNL 0370 FWL

NWNW BOTTOM: 0877 FNL 0256 FWL

COUNTY: UINTAH

LATITUDE: 40.03809 LONGITUDE: -109.48858

UTM SURF EASTINGS: 628948 NORTHINGS: 4432868

FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU0359

PROPOSED FORMATION: WSMVD

SURFACE OWNER: 2 - Indian

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

✓ Plat

✓ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. WYB000291)

N Potash (Y/N)

Y Oil Shale 190-5 (B) or 190-3 or 190-13

✓ Water Permit
(No. 43-8496)

N RDCC Review (Y/N)
(Date:)

N/A Fee Surf Agreement (Y/N)

N/A Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.

Unit: NATURAL BUTTES

___ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

___ R649-3-3. Exception

✓ Drilling Unit

Board Cause No: 173-14

Eff Date: 12-2-1998

Siting: 460' fr Uboundary & Uncomm. Tract

✓ R649-3-11. Directional Drill

COMMENTS: Sop, Separate File

STIPULATIONS: 1- Federal Approval

API Number: 4304740592

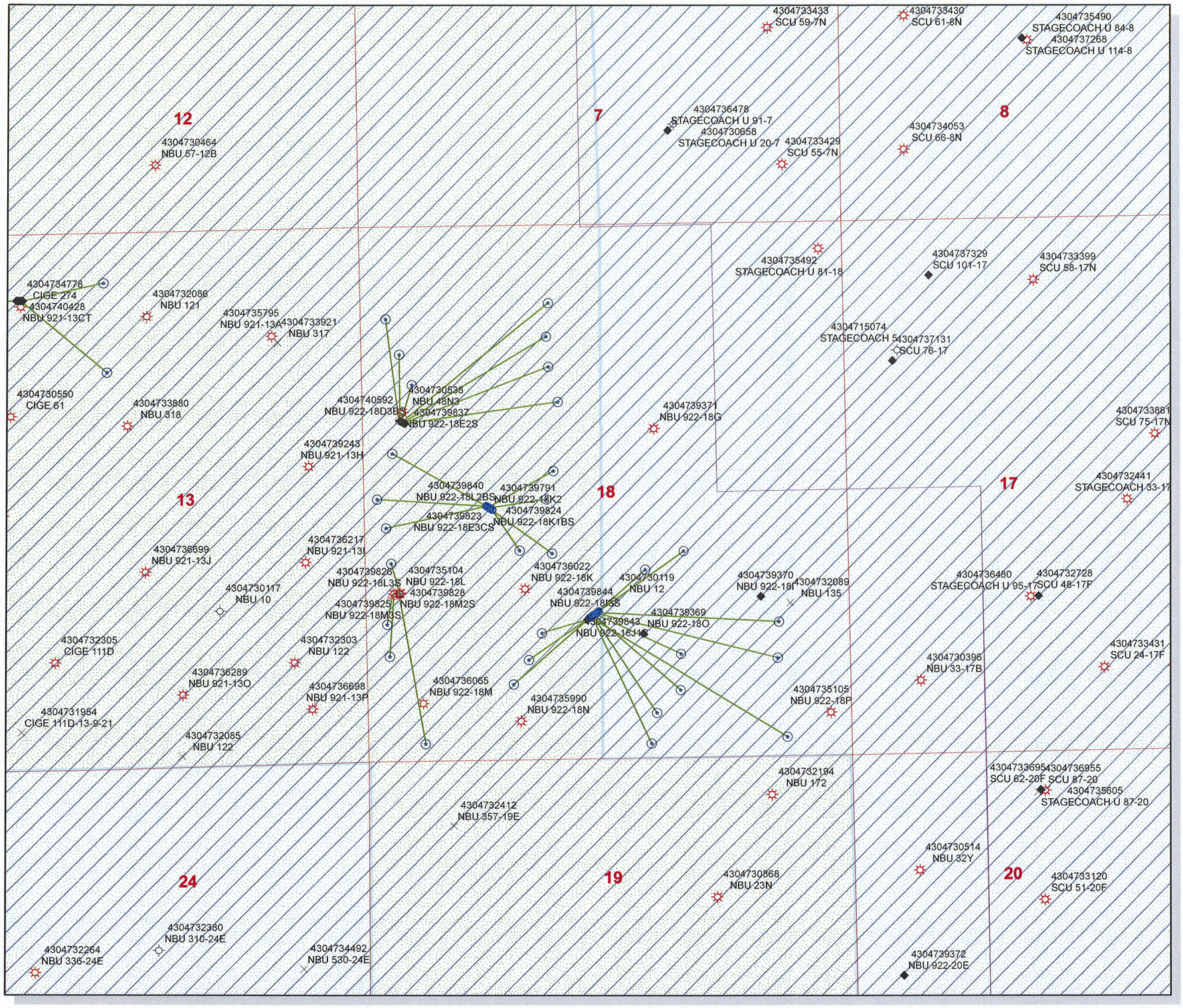
Well Name: NBU 922-18D3BS

Township 09.0 S Range 22.0 E Section 18

Meridian: SLBM

Operator: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Map Prepared:
Map Produced by Diana Mason



Units

STATUS
- ACTIVE
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Fields

STATUS
- ACTIVE
- COMBINED
- Sections

Wells Query Events
- <all other values>

GIS_STAT_TYPE
- <Null>
- APD
- DRL
- GI
- GS
- LA
- NEW
- OPS
- PA
- PGW
- POW
- RET
- SGW
- SOW
- TA
- TW
- WD
- WI
- WS

1,300 650 0 1,300 Feet

1:12,099

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

March 9, 2009

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2009 Plan of Development Natural Buttes Unit Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following well is planned for calendar year 2009 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ Wasatch/MesaVerde)		
43-047-40592	NBU 922-18D3BS	Sec 18 T09S R22E 1881 FNL 0370 FWL BHL Sec 18 T09S R22E 0877 FNL 0256 FWL

This office has no objection to permitting the well at this time.

/s/ Michael L. Coulthard

bcc: File – Natural Buttes Unit
Division of Oil Gas and Mining
Central Files

Kerr-McGee Oil & Gas Onshore LP

1099 18th Street, Suite 1800
Denver, CO 80202-1918
P.O. Box 173779
Denver, CO 80217-3779
720-929-6000

KerrMcGee

April 6, 2009

Ms. Diana Mason
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, UT 84114-6100

Re: Directional Drilling R649-3-11
NBU 922-18D3BS
T9S-R22E
Section 18: SWNW (Surf), NWNW (Bottom)
Surface: 1881' FNL, 370' FWL
Bottom Hole: 877' FNL, 256' FWL
Uintah County, Utah

Dear Ms. Mason:

Pursuant to the filing of Kerr-McGee Oil & Gas Onshore LP's (Kerr-McGee) Application for Permit to Drill regarding the above referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to the Exception to Location and Siting of Wells.

- Kerr-McGee's NBU 922-18D3BS is located within the Natural Buttes Unit area.
- Kerr-McGee is permitting this well as a directional well in order to minimize surface disturbance. Locating the well at the surface location and directionally drilling from this location, Kerr-McGee will be able to utilize the existing road and pipelines in the area.
- Furthermore, Kerr-McGee certifies that it is the sole working interest owner within 460 feet of the entire directional well bore.

Therefore, based on the above stated information, Kerr-McGee Oil & Gas Onshore LP requests the permit be granted pursuant to R649-3-11.

Sincerely,

KERR-MCGEE OIL & GAS ONSHORE LP

Lynn Padgett
Staff Landman

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

April 7, 2009

Kerr-McGee Oil & Gas Onshore, LP
P O Box 173779
Denver, CO 80217-3779

Re: NBU 922-18D3BS Well, Surface Location 1881' FNL, 370' FWL, SW NW, Sec. 18, T. 9 South, R. 22 East, Bottom Location 877' FNL, 256' FWL, NW NW, Sec. 18, T. 9 South, R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-40592.

Sincerely,

for Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal Office

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

UTAH DNR OIL, GAS & MINING

Operator: Kerr-McGee Oil & Gas Onshore, LP

Well Name & Number NBU 922-18D3BS

API Number: 43-047-40592

Lease: UTU0359

Surface Location: SW NW **Sec.** 18 **T.** 9 South **R.** 22 East

Bottom Location: NW NW **Sec.** 18 **T.** 9 South **R.** 22 East

Conditions of Approval

1. **General**

   Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. **Notification Requirements**

   Notify the Division with 24 hours of spudding the well.

   - Contact Carol Daniels at (801) 538-5284.

   Notify the Division prior to commencing operations to plug and abandon the well.

   - Contact Dustin Doucet at (801) 538-5281 office (801) 733-0983 home

3. **Reporting Requirements**

   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

6 In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

API Well No: 43047405920000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU0359

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 922-18D3BS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047405920000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6587 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1881 FNL 0370 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 18 Township: 09.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
✓ SPUD REPORT Date of Spud: 5/29/2009	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX. SPUD WELL LOCATION ON 05/29/2009 AT 0830 HRS.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
June 01, 2009

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Sheila Upchego	435 781-7024	Regulatory Analyst
SIGNATURE N/A		**DATE** 6/1/2009

RECEIVED June 01, 2009

API Well No: 43047405920000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU0359

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 922-18D3BS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047405920000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6587 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1881 FNL 0370 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 18 Township: 09.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 6/3/2009	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU ELENBURG RIG 11 ON 05/30/2009. DRILLED 12 1/4" SURFACE HOLE TO 2830'. RAN 9 5/8" 36# J-55 SURFACE CSG. PMP 270 SX HIFILL CLASS G @11.0 PPG 3.82 YIELD. TAIL CMT W/200 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DROP PLUG ON FLY DISPLACE W/213.5 BBLS H2O 270 PSI LIFT @3 BBLS/MIN LAND PLUG W/900 PSI BUMP CHECK FLOAT. FLOAT HELD 2 BBLS OF LEAD TO SURFACE RAN 200' OF 1" PIPE MIX AND PMP 125 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DISPLACE OUT LEAD CMT 2 BBLS CMT TO SURFACE CMT FELL BACK WILL FILL UP ON NEXT CMT JOB FELL 15'-20' . WORT.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
June 08, 2009

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Sheila Upchego	435 781-7024	Regulatory Analyst
SIGNATURE N/A		**DATE** 6/5/2009

RECEIVED June 05, 2009

API Well No: 43047405920000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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5.LEASE DESIGNATION AND SERIAL NUMBER: UTU0359

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 922-18D3BS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047405920000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1881 FNL 0370 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 18 Township: 09.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 12/24/2009	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	✓ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 12/24/2009 AT 12:00 P.M. PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

December 29, 2009

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE N/A		**DATE** 12/29/2009

RECEIVED December 29, 2009

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18D3BS RED	Spud Conductor: 5/29/2009	Spud Date: 5/30/2009
Project: UTAH-UINTAH	Site: NBU 922-18E PAD	Rig Name No: ELENBURG 12/12, H&P 298/298
Event: DRILLING	Start Date: 5/30/2009	End Date: 7/26/2009
Active Datum: RKB @4,920.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/18/0/SWNW/6/PM/N/1,881.00/W/0/370.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
5/30/2009	13:00 - 21:00	8.00	MIRU	01	B	P		MOVE IN AND RIG UP.
	21:00 - 23:00	2.00	MIRU	14	A	P		WELD ON CONDUCTOR FLANGE.
	23:00 - 0:00	1.00	MIRU	14	A	P		WELD ON ADJUSTABLE FLANGES ON BOWIE LINE.
5/31/2009	0:00 - 1:00	1.00	DRLSUR	14	A	P		WELD ON ADJUSTABLE FLANGES ON BOWIE LINE.
	1:00 - 2:00	1.00	DRLSUR	14	A	P		HOLD SAFETY MEETING, NIPPLE UP ROT HEAD. AND ROT HEAD EXTENDER.
	2:00 - 3:00	1.00	DRLSUR	06	A	P		P/U BENT HOUSING MOTOR 1.86 DEG (SN 8082). P/U 507Z (SN 7015582), P/U MONEL,
	3:00 - 5:00	2.00	DRLSUR	08	B	P		BROKE PONY ROD WHEN FIRST STARTING TO PUMP. REPLACE PONY ROD.
	5:00 - 10:00	5.00	DRLSUR	14	A	P		START PUMPING AND WATER POURED OVER STACK. SHUT DOWN, NEED 8 " ROT HEAD RUBBER. WAIT FOR 8 " ROT HEAD RUBBER FOR WEATHERFORD ROT HEAD.
	10:00 - 10:30	0.50	DRLSUR	14	A	P		STAB 8" ROT HEAD RUBBER AND INSTALL.
	10:30 - 11:00	0.50	DRLSUR	02	D	P		DRILL 40-65',
	11:00 - 12:30	1.50	DRLSUR	06	A	P		LD MONEL AND P/U DIRECTIONAL TOOLS, CORR. DIR. TOOLS.
	12:30 - 16:00	3.50	DRLSUR	02	D	P		DRILL SLIDE 65'-340' WOB 10-12K, ROT 55, PSI ON/OFF 500/800 GPM 680 CIRC RESERVE PIT.
	16:00 - 16:30	0.50	DRLSUR	14	B	P		CHANGE OUT FROM 8" ROT HEAD RUBBER TO 4 1/2" ROT HEAD RUBBER.
	16:30 - 0:00	7.50	DRLSUR	02	D	P		DRILL SLIDE 340'- 808'. WOB 10-12K ROT 55, PSI ON/OFF 700/1000, GPM 680, CIRC RESERVE PIT, SLIDE 40'/HR, ROT 80' HR.
6/1/2009	0:00 - 11:30	11.50	DRLSUR	02	D	P		DRILL AND SLIDE 808'-1423' WOB 12K, ROT 45, ON/OFF PSI 1200/1450, DRILL SLIDING 16%
	11:30 - 12:00	0.50	DRLSUR	07	A	P		RIG SERVICE.
	12:00 - 0:00	12.00	DRLSUR	02	D	P		DRILL 1423'- 1919' WOB 10-12K, TORQUE LIMITED ON RIG. 3000' FT/TOR MAX. DRILL W/ REDUCED WT. ROT 40, ON OFF PSI 1200/1450 SLIDING 16% HOLD DEVIATION OF 5 DEGREES AND AZI 353.5 1'LEFT AND 23' HIGH OF LINE.
6/2/2009	0:00 - 6:00	6.00	DRLSUR	02	D	P		DRILL AND SLIDE 1919'- 2106'(187'/32'/HR) WOB 10K, ROT 35, PSI ON/OFF 1450/1200, GPM 680. REDUCED WOB DUE TO RIG UNABLE TO DELIVER ENOUGH TORQUE WHILE DRILLING
	6:00 - 6:30	0.50	DRLSUR	07	A	P		RIG SERVICE
	6:30 - 0:00	17.50	DRLSUR	02	D	P		DRILL 2106'- 2680' (574'/ 33'/HR) WOB 10K ROT 35, PSI ON/OFF 1450/1200, GPM 680. RULL RETURNS, NO LOSSES OR GAINS. SLIDE 16.8% OF TIME, 4' LEFT AND 22' ABOVE LINE.
6/3/2009	0:00 - 4:30	4.50	DRLSUR	02	D	P		DRILL SLIDE 2680'-2830' (SLIDE 11%) WOB 8-10K, RPM 25, TORQUE 2900 TD SURFACE 6/3/2009 04:30
	4:30 - 5:00	0.50	CSG	05	A	P		CIRC AND CLEAN HOLE FOR CSG.
	5:00 - 7:00	2.00	CSG	06	D	P		LAY DOWN DRILL STRING, AND DIRECTIONAL TOOLS.
	7:00 - 12:00	5.00	CSG	12	C	P		RIG UP TO RUN CSG, RUN 64 JTS OF 9-5/8" 36#, J-55, LT&C 2807' KB, FLOAT @ 2760' KB.
	12:00 - 12:30	0.50	CSG	05	D	P		CIRC DOWN CSG, WHILE RIGGING UP PROPETRO CEMENTER.
	12:30 - 14:30	2.00	CSG	12	E	Z		PROPETRO BLEW HYDRALIC HOSE, WAIT ON REPAIRS. CIRC W/ RIG PUMPS,

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18D3BS RED	Spud Conductor: 5/29/2009	Spud Date: 5/30/2009
Project: UTAH-UINTAH	Site: NBU 922-18E PAD	Rig Name No: ELENBURG 12/12, H&P 298/298
Event: DRILLING	Start Date: 5/30/2009	End Date: 7/26/2009
Active Datum: RKB @4,920.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/18/0/SWNW/6/PM/N/1,881.00/W/0/370.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	14:30 - 16:30	2.00	CSG	12	E	P		START 40 BBLS PRE FLUSH H20, START 270 SX (183.6 BBLS) 11.0# 3.82 YD, 23 GAL/SK OF LEAD HI-FILL TYPE 2 CEMENT, START TAIL CEMENT 200 SX (40.9 BBLS) 15.8# 1.15YD, 5 GAL/SK. DROP PLUG ON FLY, DISPLACE W/213.5 BBLS OF H20, 270 PSI LIFT @ 3.5/BBLS MIN, LAND PLUG W/ 900 PSI BUMP, CHECK FLOAT, FLOAT HELD.20 BBLS OF LEAD TO SURFACE, MIX AND PUMP 125 SX(25.6 BBLS) OF 15.8#, 1.15 YD, 5 GAL SK, DOWN 200' OF 1", DISPLACE OUT LEAD CEMENT. 2 BBLS CEMENT TO SURFACE. CEMENT FELL. WILL FILL UP ON NEXT CEMENT JOB. FELL15-20'. RIG DOWN CEMENTERS.
	16:30 - 17:30	1.00	CSG	01	A	P		RIG DOWN RIG, BOWIE LINE, CLEAN OUT CELLAR FOR WELDER
	17:30 - 18:30	1.00	RDMO	14	A	P		CUT OFF CONDUCTOR, SET 9 5/8 CSG ELEVATORS , LAYDOWN LANDING JT. RELEASE RIG 6/3/3009 18:30.
7/14/2009	16:00 - 20:00	4.00	RDMO	01	E	P		HSM W/ MOUNTAIN WEST& WESTROC, RD/MOVE CAMPS RU,TRANSFER MUD,& 400 BBL UP RIGHTS,SET OUT CMT SILOS & FRAC TANKS,MOVE PIPE TUBS, MOVE MUD & CHEMICALS,2 BED TRUCKS,2 HAUL TRUCKS,1 FORK LIFT,
	20:00 - 0:00	4.00	RDMO	01	E	P		PREP RIG FOR TRUCKS
7/15/2009	0:00 - 6:00	6.00	DRLPRO	01	E	P		PREP RIG FOR TRUCKS/SAFETY MEETING/0530 W/ WESTROC,J&C CRANE,RIG CREWS
	6:00 - 21:00	15.00	DRLPRO	01	B	P		RIG DOWN EQUIPMENT / LOWER DERRICK & LOAD OUT,LOWER SUB, MOVE EQUIPMENT TO NEW LOCATION / SET PITS, SHAKERS, PUMPS, MAIN GENERATORS, SCR HOUSE, MCC HOUSE, FUEL TANK, SKID PACKAGE, DRAWWORKS, MUD BOAT SKID AND ALL COMPONETS OF THE SUB-STRUCTURE, RAISE SUB & PIN IN PLACE W/ 5 HAUL TRUCKS ,5 BED TRUCKS,2 FORKLIFTS,1CRANE. /100% MOVE 60% RIGGED UP.,(RELEASED 3 BED TRUCKS,4 HAUL TRUCKS,1 FORKLIFT)
	21:00 - 0:00	3.00	DRLPRO	21	C	P		WAIT ON DAYLIGHT TO RIG UP
7/16/2009	0:00 - 6:00	6.00	DRLPRO	21	C	P		WAIT ON DAYLIGHT
	6:00 - 0:00	18.00	DRLPRO	01	B	P		ATTACH DERRICK TO FLOOR, RAISE DERRICK,UP @0930 / ATTACH BOP HANDLER & DOGHOUSE - RAISE TO POSITION /SET IN FLOW LINE & REMAINING EQUIP,TRUCKS GONE 1100,CRANE 1300/ RIG UP MUD PITS / RUN ELECTRICAL LINES, WATER LINES & AIR LINES,POWER UP ELECTRICAL,SPOOLUP DRAWWORKS,INSTALL YELLOW DOG,CIRC PITS,INSTALL BAIL & ELEVATORS ON TOP DRIVE,INSTALL GROUNG RODS,ANNUAL INSPECTION ON BOP SHOWED WORN RAM BODY HOUSING IN BOP CAUSING WEAR TO RAM BODY SEALS
7/17/2009	0:00 - 13:00	13.00	DRLPRO	14	A	P		ND BOP STACK,ANNULAR,MUD CROSS & VALVES,CHANGE OUT CONDEMNED PREVENTERS,NIPPLE UP, (BOP TO BE INSTALLED ARRIVED ON LOC @ 0130 HRS) CHANGING FROM FMC TO CAMERON WELL HEADS,INSTALL CAMERON DRILLING CONNECTOR,SPACER SPOOL PREVENTER,ANNULAR,SPACER SPOOL ROTATI HEAD,WING VALVES,CHOKE LINE,HYD LINES & FUNCT TEST,

US ROCKIES REGION
Operation Summary Report

Well: NBU 922-18D3BS RED	Spud Conductor: 5/29/2009	Spud Date: 5/30/2009
Project: UTAH-UINTAH	Site: NBU 922-18E PAD	Rig Name No: ELENBURG 12/12, H&P 298/298
Event: DRILLING	Start Date: 5/30/2009	End Date: 7/26/2009
Active Datum: RKB @4,920.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/18/0/SWNW/6/PM/N/1,881.00/W/0/370.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	13:00 - 18:00	5.00	DRLPRO	15	A	P		HSM, PRESSURE TEST PIPE RAMS, BLIND RAMS, IBOP, FLOOR VALVE, KILL LINES & KILL LINE VALVES, BOP WING VALVES , HCR VALVE + CHOKE LINE; INNER AND OUTER CHOKE VALVES & MANIFOLD TO 250 PSI LOW @ 5 MINUTES + 5000 PSI HIGH @ 10 MINUTES / TEST ANNULAR TO 250 PSI LOW @ 5 MINUTES + 2500 PSI HIGH @ 10 MINUTES / TEST SUPER CHOKE + SURFACE CASING TO 1500 PSI @ 30 MINUTES -FUNCT TEST CLOSING UNIT.
	18:00 - 18:30	0.50	DRLPRO	14	B	P		INSTALL WEAR BUSHING
	18:30 - 20:00	1.50	DRLPRO	07	C	P		CHANGE OUT SAVER SUB, CLEAN FLOOR
	20:00 - 22:30	2.50	DRLPRO	06	A	P		PICK UP DIRECTIONAL TOOLS,MAKE UP BIT, SCRIBE DIRECTIONAL TOOLS
	22:30 - 23:00	0.50	DRLPRO	14	B	P		INSTALL ROTATING HEAD
	23:00 - 0:00	1.00	DRLPRO	06	A	P		HSM W/ WESTATES, RU TO PU BHA
7/18/2009	0:00 - 3:00	3.00	DRLPRO	06	A	P		PU BHA & DP TAG CMT @ 2757',FILL PIPE PRESSURED UP, UNABLE TO CIRC,RD CASERS
	3:00 - 6:00	3.00	DRLPRO	24	L	X		TOH STRING PLUGGED,CLEAN LCM FROM MWD,& ORIENT TOOLS, TEST MWD & MTR
	6:00 - 8:00	2.00	DRLPRO	06	A	X		TIH TAG CMT F/2757- INSTALL ROT HEAD ,BREAK CIRC
	8:00 - 9:30	1.50	DRLPRO	06	A	P		DRILL CMT F/2757-2845,FLOAT @ 2777-SHOE @2815
	9:30 - 15:30	6.00	DRLPRO	02	D	P		DRILL (ROTATE & SLIDE) F/ 2845' – T/ 3364' = 519' @ 86.5 FPH / H2O + POLYMER / WOB 15/18 / RPM TOP DRV 40 / MTR 99 RPM / PUMP SPM 100 = 450 GPM / SPP ON/OFF 1530-1300 / TQ ON/OFF 6K/2K / PU/SO/ROT 115/95/105 / H2O + POLY / SLID 232' IN 170 MINUTES = 42% OF FOOTAGE & 43% OF HRS .
	15:30 - 16:00	0.50	DRLPRO	07	A	P		RIG SERVICE,WORK PIPE RAMS
	16:00 - 0:00	8.00	DRLPRO	02	D	P		DRILL (ROTATE & SLIDE) F/3491' – T/ 3960' = 469' @ 78.1 FPH / H2O + POLYMER / WOB 15/18 / RPM TOP DRV 35-45 / MTR 99 RPM / PUMP SPM 100 = 450 GPM / SPP ON/OFF 1650-1325 / TQ ON/OFF 8K/4K / PU/SO/ROT 130/105/115 / H2O + POLY / SLID 246' IN 4 HRS = 41% OF FOOTAGE & 50% OF HRS
7/19/2009	0:00 - 6:00	6.00	DRLPRO	02	D	P		DRILL (ROTATE & SLIDE) F/3960' T/ 4353' = 393' @ 65.5 FPH / H2O + POLYMER / WOB 15/18 / RPM TOP DRV 35-45 / MTR 99 RPM / PUMP SPM 100 = 450 GPM / SPP ON/OFF 1650-1325 / TQ ON/OFF 8K/4K / PU/SO/ROT 130/105/115 / H2O + POLY / SLID 95' IN 2.2 HRS = 24% OF FOOTAGE & 36.2% OF HRS
	6:00 - 16:00	10.00	DRLPRO	02	D	P		DRILL (ROTATE & SLIDE) F/4353' T/ 4973' = 620' @ 62.0 FPH / H2O + POLYMER / WOB 15/18 / RPM TOP DRV 35-45 / MTR 104 RPM / PUMP SPM 105 = 472 GPM / SPP ON/OFF 1810-1425 / TQ ON/OFF 9/5K / PU/SO/ROT 155/106/128 / H2O + POLY / SLID 337' IN 6.7 HRS=56.1 OF FOOTAGE & 67.5 % OF HRS.
	16:00 - 16:30	0.50	DRLPRO	07	A	P		RIG SERVICE,WORK PIPE RAMS
	16:30 - 0:00	7.50	DRLPRO	02	D	P		DRILL (ROTATE & SLIDE) F/4973' T/ 5450' = 477' @ 63.6 FPH / H2O + POLYMER / WOB 15/18 / RPM TOP DRV 35-45 / MTR104 RPM / PUMP SPM 105 = 472 GPM / SPP ON/OFF 2100-1650 / TQ ON/OFF 9/4K / PU/SO/ROT 156/117/128 / H2O + POLY / SLID 140' IN 3.42 HRS=29.6 OF FOOTAGE & 45.5 % OF HRS.

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18D3BS RED	Spud Conductor: 5/29/2009	Spud Date: 5/30/2009
Project: UTAH-UINTAH	Site: NBU 922-18E PAD	Rig Name No: ELENBURG 12/12, H&P 298/298
Event: DRILLING	Start Date: 5/30/2009	End Date: 7/26/2009
Active Datum: RKB @4,920.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/18/0/SWNW/6/PM/N/1,881.00/W/0/370.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
7/20/2009	0:00 - 6:00	6.00	DRLPRO	02	D	P		DRILL (ROTATE & SLIDE) F/5450' T/ 6000' = 550' @ 91.6 FPH / H2O + POLYMER / WOB 15/18 / RPM TOP DRV 35-45 / MTR104 RPM / PUMP SPM 105 = 472 GPM / SPP ON/OFF 1750-1450 / TQ ON/OFF 9/4K / PU/SO/ROT 156/117/128 / H2O + POLY / SLID 56' IN 1. HR=10.1OF FOOTAGE & 16.6% OF HRS.
	6:00 - 16:30	10.50	DRLPRO	02	D	P		DRILL (ROTATE & SLIDE) F/6000' T/6961' = 961' @ 91.5 FPH / H2O + POLYMER / WOB 14/18 RPM TOP DRV 35-45 / MTR104 RPM / PUMP SPM 105 = 472 GPM / SPP ON/OFF 1900-1525 / TQ ON/OFF 12/7K / PU/SO/ROT198/125/1160 / H2O + POLY / SLID 104' IN 3 HRS=10% OF FOOTAGE & 28% OF HRS.
	16:30 - 17:00	0.50	DRLPRO	07	A	P		RIG SERVICE,WORK PIPE RAMS
	17:00 - 0:00	7.00	DRLPRO	02	D	P		DRILL (ROTATE & SLIDE) F/6961' T/7375' = 414' @ 59.1 FPH / H2O + POLYMER / WOB 14/20/ RPM TOP DRV 35-45 / MTR104 RPM / PUMP SPM 105 = 472 GPM / SPP ON/OFF 1950-1630 / TQ ON/OFF 13/11K / PU/SO/ROT 210/1140/1165 / H2O + POLY / SLID 10' IN .25 HRS
7/21/2009	0:00 - 6:00	6.00	DRLPRO	02	D	P		DRILL (ROTATE & SLIDE) F/7375' T/7650' = 275' @ 45.8 FPH / WOB 14/20/ RPM TOP DRV 35-45 / MTR104 RPM / PUMP SPM 105 = 472 GPM / SPP ON/OFF 1950-1630 / TQ ON/OFF 13/11K / PU/SO/ROT 210/140/165 / CLOSE IN PITS @ 7500' START MUD UP VIS 28 WT 8.8 / SLID 25' IN 1 HR,
	6:00 - 15:30	9.50	DRLPRO	02	D	P		DRILL (ROTATE & SLIDE) F/7650' T/8194 = 544' @ 57.2 FPH / WOB 14/20/ RPM TOP DRV 35-45 / MTR104 RPM / PUMP SPM 105 = 472 GPM / SPP ON/OFF 2220-2000 / TQ ON/OFF 14/10K / PU/SO/ROT 245/140/175 MW 10.0 VIS 34 SLID 40' IN 1.5 HRS=14%OF FOOTAGE 13.6% OF TIME
	15:30 - 16:00	0.50	DRLPRO	07	A	P		RIG SERVICE,WORK PIPE RAMS,BOP DRILL
	16:00 - 0:00	8.00	DRLPRO	02	D	P		DRILL (ROTATE & SLIDE) F/8194' T/8490 = 296' @ 37 FPH / WOB 14/20/ RPM TOP DRV 35-45 / MTR104 RPM / PUMP SPM 105 = 472 GPM / SPP ON/OFF 2625-2200 / TQ ON/OFF 14/12K / PU/SO/ROT 245/140/178 MW 10.4 VIS 34 SLID 41' IN 1.75 HRS=14.5%OF FOOTAGE 21.8% OF TIME
7/22/2009	0:00 - 17:00	17.00	DRLPRO	02	D	P		0000- DRILL (ROTATE & SLIDE) F/8490' T/9131' = 480' @ 41.7 FPH / WOB 14/20/ RPM TOP DRV 35-45 / MTR104 RPM / PUMP SPM 105 = 472 GPM / SPP ON/OFF 1950-1630 / TQ ON/OFF 13/11K / PU/SO/ROT 210/1140/1165 MUD VIS 46 WT 11.0
	17:00 - 21:30	4.50	DRLPRO	06	A	P		TOH L/D MWD TOOLS
	21:30 - 22:30	1.00	DRLPRO	06	A	P		L/D MWD TOOLS, P/U NEW MUD MOTOR .16 STRIGHT
	22:30 - 0:00	1.50	DRLPRO	06	A	P		TIH WITH BIT # 2
7/23/2009	0:00 - 3:00	3.00	DRLPRO	06	A	P		TRIP IN HOLE W/ BIT # 2 HTC Q506HX TAGED BRIDEG HAD TO WASH @ 5330'
	3:00 - 17:30	14.50	DRLPRO	02	D	P		DRILL F/ 9139 TO 9755 WOB 20 ROT 35 100 SPM ON BOTTOM 2425 OFF 2200 PSI TORQ ON BOTTOM 15 OFF 13 PU 300 SO 140 ROT 186K ROP 42.4 MUD WT 11.0 VIS 42
	17:30 - 18:00	0.50	DRLPRO	07	A	P		RIG SER.
	18:00 - 21:30	3.50	DRLPRO	02	D	P		DRILL F/ 9755 TO 9872 WOB 20 ROT 35 100 SPM ON BOTTOM 2425 OFF 2200 PSI TORQ ON BOTTOM 15 OFF 13 PU 300 SO 140 ROT 186K ROP 33.4 MUD WT 11.6 VIS 40

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18D3BS RED	Spud Conductor: 5/29/2009	Spud Date: 5/30/2009	
Project: UTAH-UINTAH	Site: NBU 922-18E PAD		Rig Name No: ELENBURG 12/12, H&P 298/298
Event: DRILLING	Start Date: 5/30/2009		End Date: 7/26/2009
Active Datum: RKB @4,920.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/18/0/SWNW/6/PM/N/1,881.00/W/0/370.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	21:30 - 0:00	2.50	DRLPRO	08	B	Z		DRAW WORKS SHUT DOWN SHOWING GROUND FAULT # 8 CHECKED ALL PLUG IN RESET SCR HAVE ELECT. COMING OUT GRAND JUNKSHON
7/24/2009	0:00 - 4:00	4.00	DRLPRO	08	B	Z		TROUBLE SHOOT DW-VFD FAILURE W/ ELECTRITON FOUND BAD INVERTOR CHANGED IT OUT
	4:00 - 16:30	12.50	DRLPRO	02	D	P		DRILL F/ 9872 TO 10125 WOB 25 ROT 35 STKS 100 0N BOTTOM 2700 OFF 2500 TORQUEON BOTTOM 18 OF 15 PU 325 SO 140 ROT 197 MW 11.7 VIS 50
	16:30 - 18:30	2.00	DRLPRO	05	A	P		CIRC. COND FOR SHORT TRIP TO SHOE
	18:30 - 0:00	5.50	DRLPRO	06	A	P		TOH FOR SHORT TRIP TO SHOE PUMPED OUT 10 STD,
7/25/2009	0:00 - 0:30	0.50	DRLPRO	06	E	P		TIH FOR SHORT TRIP
	0:30 - 2:30	2.00	DRLPRO	05	A	P		CIRC. COND. FOR LOGS
	2:30 - 3:00	0.50	DRLPRO	10	B	P		DROPED MULIT SHOT TOOL
	3:00 - 7:00	4.00	DRLPRO	06	A	P		TOH FOR LOGS
	7:00 - 8:00	1.00	DRLPRO	06	E	P		RETRIEVE SINLG SHOT SURVEY TOOL, L/D FLEX MONEL, MUD MOTOR
	8:00 - 14:00	6.00	DRLPRO	11	D	P		HELD SAFTY MEETING WITH LOGER, RIG UP & LOG WELL LOGER TD 10124' DRILLER TD 10125' LOGS WENT GOOD
	14:00 - 15:30	1.50	DRLPRO	12	A	P		HELD SAFTY MEETING, RIG UP CASING CREW TOOLS
	15:30 - 0:00	8.50	DRLPRO	12	C	P		RUN 4.5 CASIG 11.6 242 JTS CASIG 8 JTS. WAS P110 234 JTS I-80 JTS SHOE @ 10109 FLOAT COLLAR @ 10067'
7/26/2009	0:00 - 2:00	2.00	CSG	05	A	P		CIRC. 4.5 CASING HAD 10 TO 15' FLAR
	2:00 - 4:30	2.50	CSG	12	E	P		CMT 4. 5 CSG. 276 BBLS LEAD 11.7 620 SX CMT YIELD 2.50 5% EX TAIL 14.3 1245 SX CMT YIELD 1.31 DISPLACED W/ 156.5BBLSCLAY FIX WATER FLOATS HELD 500 PSI OVER BUMPED PLUG W/ 3279 PSI LOST RETURNES LAST 10 BBL OF DISPLACEMENT RETRUNED 30 BBLS CMT TO PIT
	4:30 - 5:30	1.00	CSG	12	E	P		RIG DOWN CEMENTER
	5:00 - 5:30	0.50	SUSPEN	01	E	P		RIG RELEASED @ 05:30 7/26/2009

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18D3BS RED	Spud Conductor: 5/29/2009	Spud Date: 5/30/2009
Project: UTAH-UINTAH	Site: NBU 922-18E PAD	Rig Name No:
Event: COMPLETION	Start Date: 12/4/2009	End Date: 12/22/2009
Active Datum: RKB @4,920.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/18/0/SWNW/6/PM/N/1,881.00/W/0/370.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
12/6/2009	10:00 - 12:30	2.50	WO/REP	30	A	P		RIG UP RIG, NU BOPS RU FLOOR & TBG EQUIP.
	12:30 - 18:30	6.00	WO/REP	31	I	P		PU 37/8 BIT & 317 JTS 23/8 L-80 TAG @ 10067.86' PBTD LAST 3 JTS GOING TROUGH SOFT FILL. L/D 3 JTS TBG EOT @ 9977.86' SWI SDFN.
12/7/2009	7:00 - 7:30	0.50	WO/REP	48		P		HSM, DRIVING IN WINTER CONDITIONS.
	7:30 - 19:30	12.00	WO/REP	31	I	P		SICP 0 PSI. PU 3 JTS TBG TAG BACK UP ON PBTD @ 10067' CIRC WELL CLEAN W/ 220 BBLS 2% TEST CSG TO 3500# PSI FOR 10 MIN OK. L/D 317 JTS 23/8 L-80 AND BIT SUB, BIT BACKED OUT OF SUB AND WAS LEFT IN THE HOLE. RU DELSCO SLICK LINE TRUCK RIH TAG UP ON BIT @ 1130' PUSH BIT TO 8900' NOT MAKING ANY HOLE TOOLS TRYING TO GET STUCK. POOH RD WIRE LINE. RESPOT TBG TRAILOR SWI SDFN.
12/8/2009	7:00 - 7:30	0.50	WO/REP	48		P		HSM, WATCHING OUT FOR OTHER EMPLOYES WHILE WORKING TIRED.
	7:30 - 14:00	6.50	WO/REP	31	I	P		O SICP, PU 37/8 MILL & 281 JTS 23/8 L-80 TBG TAG BIT @ 8900' HAVING TO WORK BIT TROUGH CSG COLLARS GOT BIT ON BTM @ 10.065'. W/ TOTAL 317 JTS 23/8 L-80.
	14:00 - 18:30	4.50	WO/REP	31	I	P		L/D 317JTS 23/8 J-55 AND MILL.
12/9/2009	7:00 - 19:00	12.00	COMP	33	D	P		OPEN WELL 0#. RDMO RIG. ND BOP. NU FRAC VALVES & WH SLEEVE. MIRU B&C QUICK TEST. PSI TEST CSG & BOTH FRAC VALVES T/ 7000#. GOOD TEST. BLEED OFF PSI. MIRU CUTTERS WL & SUPERIOR FRAC SERV. STG 1) PU 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 & 120 DEG PHASING. RIH PERF F/ 9792'-94', 3 SPF, 6 HOLES. 9830'-32', 3 SPF, 6 HOLES. 9961'-63', 4 SPF, 8 HOLES. 9994'-98', 3 SPF, 12 HOLES. 10050'-52', 4 SPF, 8 HOLES. POOH. WINTERIZE WELL HEAD. SWI, SDFN.
12/11/2009	7:00 - 18:00	11.00	COMP	36	B	P		STG 1)HAD T/ SEND 2 TRUCKS T/ TOWN. (1 TRUCK POWER END STARTED SMOKING REALLY BAD. 1 TRUCK FLUID END WAS FROZE SOLID. UNFREEZE THAT TRUCK IN SHOP.) WINTERIZE ALL WELL HEADS. 17:00 SWI, SDFN.

US ROCKIES REGION
Operation Summary Report

Well: NBU 922-18D3BS RED	Spud Conductor: 5/29/2009	Spud Date: 5/30/2009
Project: UTAH-UINTAH	Site: NBU 922-18E PAD	Rig Name No:
Event: COMPLETION	Start Date: 12/4/2009	End Date: 12/22/2009
Active Datum: RKB @4,920.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/18/0/SWNW/6/PM/N/1,881.00/W/0/370.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
12/12/2009	7:00 - 18:00	11.00	COMP	36	B	P		HSM. SIME OPS. WAS TOLD BY SUPERIOR FRAC SERV WE WOULD HAVE 6 PUMPS ON LOC TODAY. ONLY HAD 5. HAD T/ REPACK 2 PUMP FIRST THING T/DAY. ((2 HRS DOWN TIME.)) 09:17 FOUND BLEED OFF LINE WAS FROZE. PUMP OUT PLUG. STG 1)09:35 OPEN WELL. WHP 1345 PSI, BRK 4785 PSI @ 4.3 BPM. ISIP 3142 PSI, FG .76. 0945 SD. PUMP 57 BBLS OF PREPAD, HAD T/ SD BECAUSE PACKING ON PUMP #2 GIVE UP. THAT ONLY LEFT US W/ 4 PUMPS. MAKE REPAIRS. 6TH TRUCK PULLED ON LOC @ 10:00. 10:52 OPEN WELL CONT FRAC. PUMP 100 BBLS @ 50 BPM @ 4900 PSI = 100% HOLES OPEN. MP 6355 PSI, MR 50.3 BPM, AP 5055 PSI, AR 49.9 BPM, ISIP 2726 PSI, FG .72, NPI -416 PSI. PMP 2415 BBLS SW & 83,113 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP 88,113 LBS, 11:56 SWI. X-OVER T/ GREEN WELL. STG 2)PU 4 1/2 8K HAL CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 & 120 DEG PHASING. RIH SET CBP @ 9656' P/U PERF F/ 9570'-74', 3 SPF, 12 HOLES. 9592'-96', 4 SPF, 16 HOLES. 9622'-26', 4 SPF, 16 HOLES. POOH. 13:51 OPEN WELL. WHP 1550 PSI, BRK 4017 PSI @ 4.3 BPM. ISIP 2614 PSI, FG .71. PUMP 100 BBLS @ 48 BPM @ 4800 PSI = 100% HOLES OPEN. MP 5641 PSI, MR 51 BPM, AP 4942 PSI, AR 50.2 BPM, ISIP 2773 PSI, FG .72, NPI 159 PSI. PMP 1104 BBLS SW & 35,525 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP 40,525 LBS. 14:20 SWI. X-OVER T/ YELLOW WELL. STG 3)PU 4 1/2 8K HAL CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 & 120 DEG PHASING. RIH SET CBP @ 9444' P/U PERF F/ 9244'-46', 4 SPF, 8 HOLES. 9280'-84', 3 SPF, 12 HOLES. 9348'-52', 3 SPF, 12 HOLES. 9412'-14', 4 SPF, 8 HOLES. POOH. 17:19 OPEN WELL. WHP 2445 PSI, BRK 3632 PSI @ 1.9 BPM. ISIP 2260 PSI, FG .67. PUMP 100 BBLS @ 48 BPM @ 4600 PSI = 100% HOLES OPEN. MP 5357 PSI, MR 50 BPM, AP 4771 PSI, AR 49.5 BPM, ISIP 2391 PSI, FG .69, NPI 131 PSI. PMP 1356 BBLS SW & 49,199 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP 54,199 LBS, 18:00 SWI, SDFN.

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18D3BS RED	Spud Conductor: 5/29/2009	Spud Date: 5/30/2009
Project: UTAH-UINTAH	Site: NBU 922-18E PAD	Rig Name No:
Event: COMPLETION	Start Date: 12/4/2009	End Date: 12/22/2009
Active Datum: RKB @4,920.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/18/0/SWNW/6/PM/N/1,881.00/W/0/370.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
12/13/2009	7:00 - 18:00	11.00	COMP	36	B	P		07:00 OPEN WELL. STG 4) PU 4 1/2 8K HAL CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 & 120 DEG PHASING. RIH SET CBP @ 9144' P/U PERF F/ 8930'-32', 3 SPF, 6 HOLES. 8980'-84', 3 SPF, 12 HOLES. 9080'-82', 4 SPF, 8 HOLES. 9112'-16', 4 SPF, 16 HOLES. POOH. 10:41 OPEN WELL. WHP 130 PSI, BRK 3100 PSI @ 4.5 BPM. ISIP 2058 PSI, FG .66. PUMP 100 BBLS @ 47 BPM @ 4750 PSI = 100% HOLES OPEN. MP 5720 PSI, MR 48.7 BPM, AP 4742 PSI, AR 48.1 BPM, ISIP 2383 PSI, FG .70, NPI 325 PSI. PMP 1320 BBLS SW & 47,102 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP 52,102 LBS. 11:17 SWI, X-OVER T/ GREEN. STG 5) PU 4 1/2 8K HAL CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 & 120 DEG PHASING. RIH SET CBP @ 8895' P/U PERF F/ 8626'-30', 3 SPF, 12 HOLES. 8640'-42', 3 SPF, 6 HOLES. 8798'-00', 4 SPF, 8 HOLES. 8860'-65', 3 SPF, 15 HOLES. POOH. 15:42 OPEN WELL. WHP 1665 PSI, BRK 3361 PSI @ 4.0 BPM. ISIP 2076 PSI, FG .67. 15:48 SD, CHECK VALVE ON MANIFOLD CAME LOOSE. 16:04 MAKE REPAIRS CONT FRAC. PUMP 100 BBLS @ 44 BPM @ 5400 PSI = 100% HOLES OPEN. MP 5831 PSI, MR 50.3 BPM, AP 4371 PSI, AR 44 BPM, ISIP 2533 PSI, FG .72, NPI 457 PSI. PMP 1712 BBLS SW & 64,008 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP 69,008 LBS, 16:49 SWI, X-OVER T/ YELLOW. STG 6)P/U 4 1/2 8K HAL CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 & 120 DEG PHASING. RIH SET CBP @ 8546' P/U PERF F/ 8340'-44', 3 SPF, 12 HOLES. 8402'-04', 3 SPF, 6 HOLES. 8450'-54', 4 SPF, 16 HOLES. 8514'-16', 4 SPF, 8 HOLES. POOH. 18:00 SWI FN.
12/14/2009	6:30 - 7:00	0.50	COMP	48		P		HSM. FRACING & PERFORATING

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18D3BS RED	Spud Conductor: 5/29/2009	Spud Date: 5/30/2009
Project: UTAH-UINTAH	Site: NBU 922-18E PAD	Rig Name No:
Event: COMPLETION	Start Date: 12/4/2009	End Date: 12/22/2009
Active Datum: RKB @4,920.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/18/0/SWNW/6/PM/N/1,881.00/W/0/370.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	8:08 - 9:39	1.52	COMP	36	B	P		STG 6) WHP 2,525 PSI, BRK @ 4,825 PSI @ 4.5 BPM, ISIP 2,742 PSI, FG .76. PUMP 100 BBLS @ 50 BPM @ 5,500 PSI = 100% HOLES OPEN. MP 6,571 PSI, MR 50.2 BPM, AP 4,826 PSI, AR 49.7 BPM, ISIP 2,514 PSI, FG .73 NPI -228 PSI. PUMPED 1,357 BBLS OF SW & 45,300 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP PUMPED 50,300 LBS.
	9:39 - 14:00	4.35	COMP	36	B	P		STG 7) PU 4 1/2' HAL CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING. RIH SET CBP @ 8,264' & PERF 8,232' - 34' 4SPF, 8,150' - 52' 4SPF, 8,120' - 22' 3SPF, 8,088' - 92' 3SPF, 8,010' - 12' 3SPF, 40 HOLES. WHP 1,330 PSI, BRK @ 2,885 PSI @ 4.3 BPM, ISIP 1,900 PSI, FG .69. PUMP 100 BBLS @ 50.1 BPM @ 4,905 PSI = 100% HOLES OPEN. MP 5,571 PSI, MR 50.2 BPM, AP 4,428 PSI, AR 49.8 BPM, ISIP 2,175 PSI, FG .70 NPI 275 PSI. PUMPED 1,548 BBLS OF SW & 55,215 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP PUMPED 60,215 LBS.
	14:00 - 15:00	1.00	COMP	34	I	P		KILL PLG) PU 4 1/2" HAL CBP RIH SET @ 7,960' RDMO 0NE OF THE CUTTERS TRIKS.
12/21/2009	7:00 - 7:30	0.50	COMP	48		P		HSM, MOVEING RIG AND RIGGING UP.
	7:30 - 18:00	10.50	COMP	31	I	P		RIG DWN OFF NBU 922-18ES2, MOVE OVER RIG UP ON NBU 922-18D3BS. ND WH NU BOPS, RU FLOOR & TBG EQUIP. TALLY & PU 37/8 BIT, POBS, 1.875 X/N & 248 JTS 23/8 L-80 OFF FLOAT, EOT @ 7899' RU SWIVEL, SWI SDFN.
12/22/2009	7:00 - 7:30	0.50	COMP	48		P		HSM, DRILLING PLUGS AND LANDING TBG, UNDER PRESSURE.

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18D3BS RED	Spud Conductor: 5/29/2009	Spud Date: 5/30/2009
Project: UTAH-UINTAH	Site: NBU 922-18E PAD	Rig Name No:
Event: COMPLETION	Start Date: 12/4/2009	End Date: 12/22/2009
Active Datum: RKB @4,920.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/18/0/SWNW/6/PM/N/1,881.00/W/0/370.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:30 - 18:00	10.50	COMP	44	C	P		SICP 0, BREAK CIRC CONVENTIONAL RIH. C/O 0 ' SAND TAG 1ST PLUG @ 7960' DRL PLIG IN 7 MIN, 350 # PSI INCREASE RIH. C/O 65 ' SAND TAG 2ND PLUG @ 8264' DRL PLIG IN 4 MIN, 450 # PSI INCREASE RIH. C/O 65' SAND TAG 3RD PLUG @ 8546' DRL PLIG IN 7 MIN, 400 # PSI INCREASE RIH. C/O 30' SAND TAG 4TH PLUG @ 8895' DRL PLIG IN 7 MIN, 600 # PSI INCREASE RIH. C/O 3O' SAND TAG 5TH PLUG @ 9146' DRL PLIG IN 8 MIN, 300 # PSI INCREASE RIH. C/O 30' SAND TAG 6TH PLUG @ 9444' DRL PLIG IN 8 MIN, 400 # PSI INCREASE RIH. C/O 30' SAND TAG 7TH PLUG @ 9656' DRL PLIG IN 5 MIN, 500 # PSI INCREASE RIH. C/O TO PBTD @ 10,065' CIRC WELL FOR 1/2 HR. HANG SWIVEL BACK, L/D 18 JT TBG, RD SWIVEL. LAND TBG ON 299 JTS 23/8 L-80.RD FLOOR ND BOPS NU WH, DROP BALL PUMP OFF BIT W/ 40 BBLS WTR. TURN WELL OVER TO FB CREW. KB=26' 71/16 CAMERON HANGER= .83' 299 JTS 23/8 L-80= 9498.09' POBS= 2.20' EOT @ 9527.12' 324 JTS HAULED OUT 299 LANDED 25 TO RETURN. TWTR 11,122 BBLS TWR 1500 BBLS TWLTR 9622 BBLS
12/23/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 1800#, TP 2450#, 20/64" CK, 47 BWPH, MEDIUM SAND, LIGHT GAS TTL BBLS RECOVERED: 2261 BBLS LEFT TO RECOVER: 8861
12/24/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 3200#, TP 1950#, 20/64" CK, 36 BWPH, MEDIUM SAND, - GAS TTL BBLS RECOVERED: 3220 BBLS LEFT TO RECOVER: 7902
	12:00 -		PROD	50				WELL TURNED TO SALE @ 1200 HR ON 12/24/09 - FTP 1950#, CP 3200#, 1.7 MCFD, 36 BWPD, 20/64 CK
12/25/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 3200#, TP 1950#, 20/64" CK, 32 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 4048 BBLS LEFT TO RECOVER: 7074
12/26/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2900#, TP 1900#, 20/64" CK, 27 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 4729 BBLS LEFT TO RECOVER: 6393
12/27/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2700#, TP 1800#, 20/64" CK, 22 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 5323 BBLS LEFT TO RECOVER: 5799

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18D3BS RED	Spud Conductor: 5/29/2009	Spud Date: 5/30/2009
Project: UTAH-UINTAH	Site: NBU 922-18E PAD	Rig Name No:
Event: COMPLETION	Start Date: 12/4/2009	End Date: 12/22/2009
Active Datum: RKB @4,920.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/18/0/SWNW/6/PM/N/1,881.00/W/0/370.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
12/28/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2500#, TP 1700#, 20/64" CK, 18 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED:5791 BBLS LEFT TO RECOVER: 5331

m 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. UTU0359

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No. UTU63047A

2. Name of Operator KERR-MCGEE OIL&GAS ONSHORE LP Contact: ANDY LYTLE E-Mail: andrew.lytle@anadarko.com

8. Lease Name and Well No. NBU 922-18D3BS

3. Address P.O. BOX 173779 DENVER, CO 80217

3a. Phone No. (include area code) Ph: 720-929-6100

9. API Well No. 43-047-40592

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface SWNW 1881FNL 370FWL 40.03812 N Lat, 109.48872 W Lon

At top prod interval reported below NWNW 864FNL 263FWL

At total depth NWNW 898FNL 272FWL per HSM review

10. Field and Pool, or Exploratory NATURAL BUTTES

11. Sec., T., R., M., or Block and Survey or Area Sec 18 T9S R22E Mer

12. County or Parish UINTAH

13. State UT

14. Date Spudded	15. Date T.D. Reached	16. Date Completed	17. Elevations (DF, KB, RT, GL)*
05/29/2009	07/24/2009	☐ D & A ☒ Ready to Prod. 12/24/2009	4894 GL

18. Total Depth:	19. Plug Back T.D.:	20. Depth Bridge Plug Set:
MD 10125 TVD 9994	MD 10065 TVD 9934	MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
GR/CBL-BHV-ACTR/SDL/DSN

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit analysis)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	14.000 STEEL	36.7		40		28			
12.250	9.625 J-55	36.0		2822		620			
7.875	4.500 I-80	11.6		10109		1865			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	9527							

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	8010	10052	8010 TO 10052	0.360	289	OPEN
B) WSMVD						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
8010 TO 10052	PMP 10,812 BBLS SLICK H20 & 414,462 LBS 30/50 SD.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
12/24/2009	12/31/2009	24	→	0.0	2200.0	360.0			FLOWS FROM WELL

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
20/64	1700	2500.0	→	0	2200	360		PGW

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #80486 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

RECEIVED
JAN 26 2010
DIV. OF OIL, GAS & MINING

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
GREEN RIVER	1828				
MAHOGANY	2486				
WASATCH	5276	7960			
MESAVERDE	8080	10057			

32. Additional remarks (include plugging procedure):
ATTACHED TO THIS WELL COMPLETION REPORT IS THE FINAL DIRECTIONAL SURVEY.

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)
2. Geologic Report
3. DST Report
4. Directional Survey
5. Sundry Notice for plugging and cement verification
6. Core Analysis
7 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #80486 Verified by the BLM Well Information System.
For KERR-MCGEE OIL&GAS ONSHORE, LP, sent to the Vernal

Name *(please print)* ANDY LYTLE Title REGULATORY ANALYST

Signature (Electronic Submission) Date 01/22/2010

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

Anadarko
Petroleum Corporation

ANADARKO PETROLEUM CORP.

UINTAH COUNTY, UTAH (nad 27)
NBU 922-18E PAD
NBU 922-18D3BS

NBU 922-18D3BS

Survey: FINAL

Standard Survey Report

27 July, 2009

Weatherford®

Anadarko E&P Company LP

NBU 922-18D3BS
UINTAH COUNTY, UTAH (nad 27)
SECTION 18 T9S R22E SECTION 18 T9S R22E
1881'FNL 370'FWL(SL)
LAT: 40° 2' 17.233 N
LONG: 109° 29' 19.385 W
RIG: HP 298

Weatherford®

T M

Azimuths to True North
Magnetic North: 11.35°

Magnetic Field
Strength: 52559.6snT
Dip Angle: 65.98°
Date: 7/8/2009
Model: BGGM2008

WELL DETAILS: NBU 922-18D3BS

Ground Level: 4894.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	14543514.70	2063436.85	40° 2' 17.233 N	109° 29' 19.385 W	

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
4971.00	5092.70	Top Wasatch:
7704.00	7834.40	Top Mesaverde:
8645.00	8775.40	MVU21:
9160.00	9290.40	MVL1:

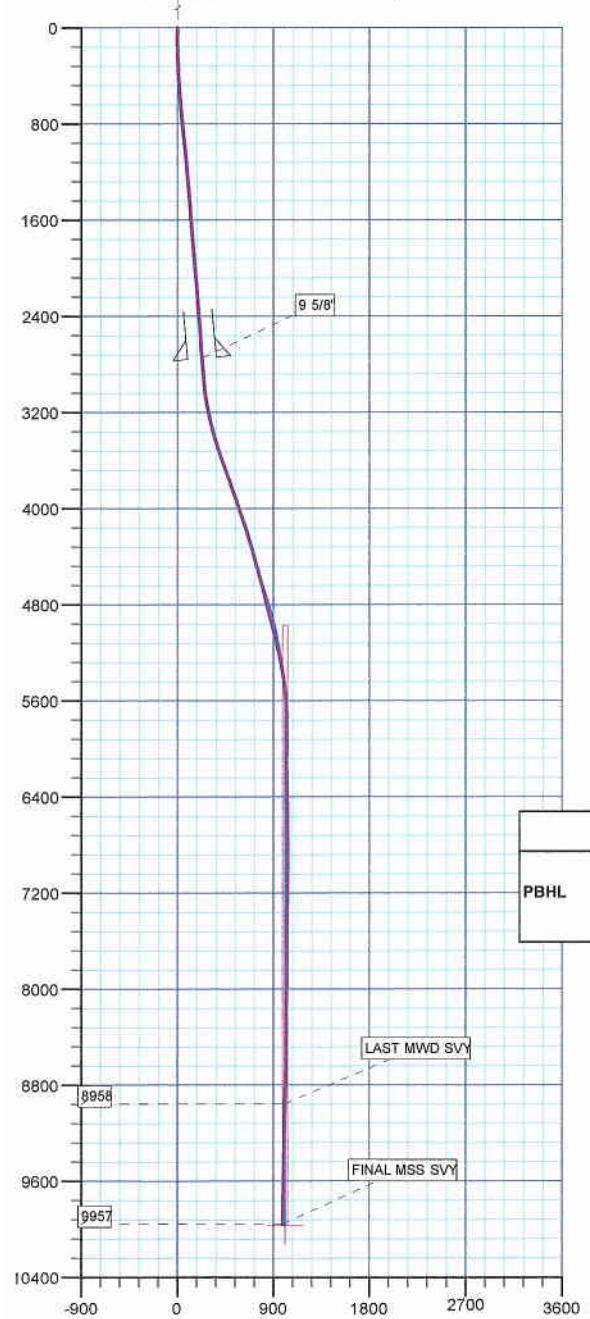
SECTION DETAILS

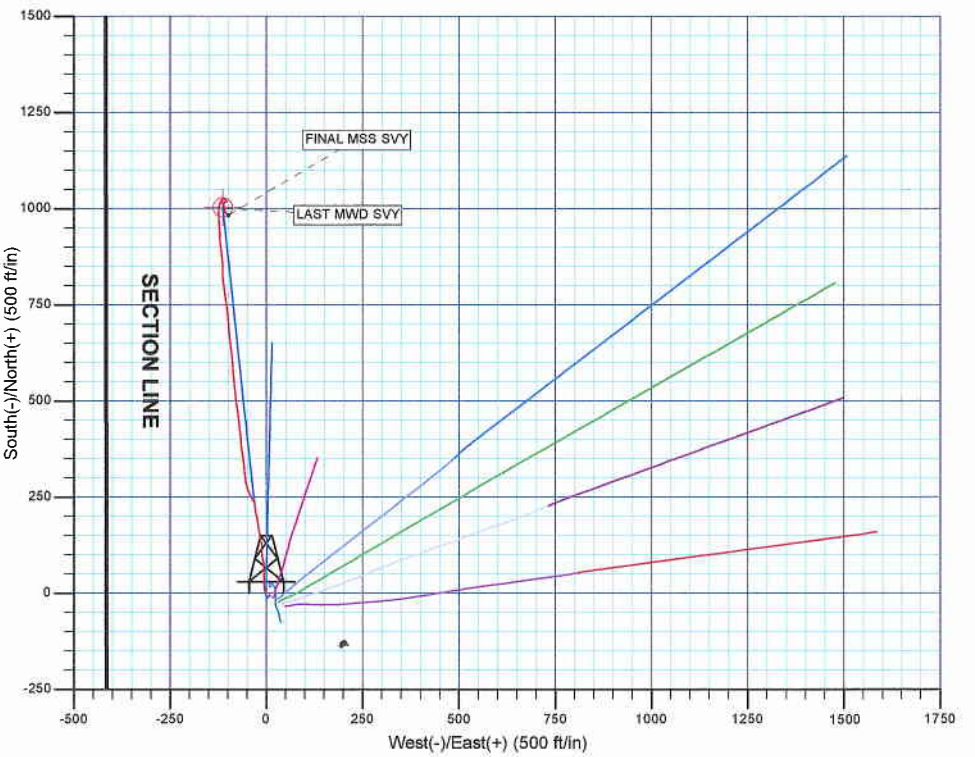
MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
2775.00	5.05	352.52	2764.22	228.23	-30.29	0.00	0.00	230.19	
2930.00	5.05	352.52	2918.62	241.76	-32.07	0.00	0.00	243.84	
3428.48	20.00	353.90	3403.86	348.90	-44.05	3.00	1.84	351.64	
4847.28	20.00	353.90	4737.07	831.47	-95.57	0.00	0.00	836.94	
5847.40	0.00	0.00	5717.00	1003.30	-113.92	2.00	180.00	1009.75	
10100.40	0.00	0.00	9970.00	1003.30	-113.92	0.00	0.00	1009.75	PBHL_NBU 922-18D3BS

CASING DETAILS

TVD	MD	Name	Size
2749.28	2760.00	9 5/8"	9.62

KB ELEV: WELL @ 4920.00ft (Original Well Elev)
GRD ELEV: 4894.00





WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL	9970.00	1003.30	-113.92	14544515.92	2063305.91	40° 2' 27.150 N	109° 29' 20.850 W	Circle (Radius: 25.00)

Survey: Survey #1 (NBU 922-18D3BS/NBU 922-18D3BS)

Created By: Robert H. Scott

Company:	ANADARKO PETROLEUM CORP.	**Local Co-ordinate Reference:**	Well NBU 922-18D3BS
Project:	UINTAH COUNTY, UTAH (nad 27)	**TVD Reference:**	WELL @ 4920.00ft (Original Well Elev)
Site:	NBU 922-18E PAD	**MD Reference:**	WELL @ 4920.00ft (Original Well Elev)
Well:	NBU 922-18D3BS	**North Reference:**	True
Wellbore:	NBU 922-18D3BS	**Survey Calculation Method:**	Minimum Curvature
Design:	NBU 922-18D3BS	**Database:**	EDM 2003.21 Single User Db

Project	UINTAH COUNTY, UTAH (nad 27),		
Map System:	Universal Transverse Mercator (US Survey Fee	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 - Western US		
Map Zone:	Zone 12N (114 W to 108 W)		

Site	NBU 922-18E PAD, SECTION 18 T9S R22E				
Site Position:		**Northing:**	14,543,514.70 ft	**Latitude:**	40° 2' 17.233 N
From:	Lat/Long	**Easting:**	2,063,436.85 ft	**Longitude:**	109° 29' 19.385 W
Position Uncertainty:	0.00 ft	**Slot Radius:**	in	**Grid Convergence:**	0.97 °

Well	NBU 922-18D3BS					
Well Position	**+N/-S**	0.00 ft	**Northing:**	14,543,514.70 ft	**Latitude:**	40° 2' 17.233 N
	+E/-W	0.00 ft	**Easting:**	2,063,436.85 ft	**Longitude:**	109° 29' 19.385 W
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	4,894.00 ft

Wellbore NBU 922-18D3BS

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2008	7/8/2009	11.35	65.98	52,560

Design NBU 922-18D3BS

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	353.70

Survey Program **Date** 7/27/2009

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
100.00	10,088.00	Survey #1 (NBU 922-18D3BS)	MWD	MWD - Standard

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.82	250.92	100.00	-0.23	-0.68	-0.16	0.82	0.82	0.00
195.00	1.06	298.87	194.99	-0.03	-2.09	0.20	0.84	0.25	50.47
285.00	2.22	344.07	284.95	2.05	-3.30	2.40	1.84	1.29	50.22
376.00	3.51	351.81	375.83	6.50	-4.18	6.92	1.48	1.42	8.51
471.00	4.75	357.87	470.59	13.31	-4.74	13.75	1.38	1.31	6.38
564.00	5.31	357.00	563.23	21.45	-5.11	21.88	0.61	0.60	-0.94
658.00	6.00	355.75	656.77	30.70	-5.70	31.14	0.75	0.73	-1.33
753.00	6.19	359.37	751.23	40.77	-6.12	41.19	0.45	0.20	3.81
846.00	5.94	358.37	843.71	50.59	-6.31	50.98	0.29	-0.27	-1.08
939.00	6.81	359.87	936.14	60.92	-6.46	61.26	0.95	0.94	1.61
1,030.00	6.56	354.50	1,026.52	71.49	-6.97	71.82	0.74	-0.27	-5.90
1,121.00	5.88	350.25	1,116.98	81.26	-8.26	81.67	0.90	-0.75	-4.67

Company:	ANADARKO PETROLEUM CORP.	**Local Co-ordinate Reference:**	Well NBU 922-18D3BS
Project:	UINTAH COUNTY, UTAH (nad 27)	**TVD Reference:**	WELL @ 4920.00ft (Original Well Elev)
Site:	NBU 922-18E PAD	**MD Reference:**	WELL @ 4920.00ft (Original Well Elev)
Well:	NBU 922-18D3BS	**North Reference:**	True
Wellbore:	NBU 922-18D3BS	**Survey Calculation Method:**	Minimum Curvature
Design:	NBU 922-18D3BS	**Database:**	EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,214.00	6.00	348.75	1,209.48	90.72	-10.02	91.27	0.21	0.13	-1.61
1,307.00	5.56	351.62	1,302.01	99.94	-11.62	100.61	0.57	-0.47	3.09
1,399.00	5.00	2.05	1,393.62	108.36	-12.13	109.03	1.21	-0.61	11.34
1,492.00	5.00	0.37	1,486.27	116.46	-11.96	117.07	0.16	0.00	-1.81
1,585.00	4.69	352.37	1,578.94	124.28	-12.43	124.90	0.80	-0.33	-8.60
1,678.00	5.25	351.87	1,671.59	132.26	-13.54	132.95	0.60	0.60	-0.54
1,772.00	5.69	347.12	1,765.16	141.06	-15.19	141.88	0.67	0.47	-5.05
1,864.00	5.81	345.62	1,856.70	150.02	-17.36	151.02	0.21	0.13	-1.63
1,958.00	5.38	351.87	1,950.25	158.99	-19.17	160.13	0.79	-0.46	6.65
2,051.00	5.13	351.00	2,042.86	167.41	-20.43	168.64	0.28	-0.27	-0.94
2,144.00	5.47	349.31	2,135.46	175.88	-21.91	177.22	0.40	0.37	-1.82
2,238.00	4.69	352.25	2,229.09	184.09	-23.25	185.53	0.87	-0.83	3.13
2,329.00	4.94	353.12	2,319.77	191.66	-24.23	193.16	0.29	0.27	0.96
2,423.00	4.88	344.62	2,413.43	199.54	-25.77	201.16	0.78	-0.06	-9.04
2,518.00	4.63	349.50	2,508.10	207.20	-27.54	208.97	0.50	-0.26	5.14
2,611.00	4.66	354.33	2,600.79	214.65	-28.60	216.49	0.42	0.03	5.19
2,705.00	4.75	352.25	2,694.48	222.31	-29.50	224.20	0.21	0.10	-2.21
2,775.00	5.05	352.52	2,764.22	228.23	-30.29	230.18	0.43	0.43	0.39
2,841.00	5.20	340.44	2,829.96	233.93	-31.67	236.00	1.65	0.23	-18.30
2,935.00	6.24	331.69	2,923.49	242.44	-35.52	244.88	1.44	1.11	-9.31
3,029.00	8.03	332.67	3,016.76	252.78	-40.96	255.74	1.91	1.90	1.04
3,124.00	11.31	336.35	3,110.40	267.21	-47.74	270.83	3.51	3.45	3.87
3,218.00	13.31	350.60	3,202.25	286.33	-53.21	290.44	3.85	2.13	15.16
3,312.00	14.94	353.85	3,293.41	309.06	-56.28	313.37	1.93	1.73	3.46
3,406.00	17.63	353.23	3,383.63	335.24	-59.25	339.72	2.87	2.86	-0.66
3,501.00	20.31	352.35	3,473.46	365.88	-63.14	370.60	2.84	2.82	-0.93
3,596.00	20.88	354.85	3,562.39	399.08	-66.86	404.01	1.10	0.60	2.63
3,691.00	22.37	354.36	3,650.70	433.93	-70.16	439.01	1.58	1.57	-0.52
3,786.00	22.06	350.73	3,738.66	469.53	-74.81	474.91	1.48	-0.33	-3.82
3,880.00	21.00	352.60	3,826.10	503.66	-79.82	509.38	1.34	-1.13	1.99
3,975.00	20.94	355.60	3,914.81	537.47	-83.31	543.36	1.13	-0.06	3.16
4,069.00	21.31	354.10	4,002.49	571.20	-86.36	577.23	0.70	0.39	-1.60
4,164.00	21.19	355.98	4,091.03	605.50	-89.34	611.65	0.73	-0.13	1.98
4,259.00	19.81	352.98	4,180.02	638.61	-92.51	644.90	1.83	-1.45	-3.16
4,354.00	19.19	353.85	4,269.57	670.11	-96.15	676.61	0.72	-0.65	0.92
4,449.00	17.37	356.49	4,359.77	699.79	-98.69	706.39	2.10	-1.92	2.78
4,544.00	16.44	353.10	4,450.67	727.29	-101.17	734.00	1.43	-0.98	-3.57
4,639.00	18.50	350.85	4,541.28	755.52	-105.18	762.50	2.28	2.17	-2.37
4,734.00	15.63	352.10	4,632.09	783.08	-109.34	790.35	3.05	-3.02	1.32
4,829.00	15.81	353.85	4,723.54	808.63	-112.49	816.09	0.53	0.19	1.84
4,923.00	16.56	0.10	4,813.82	834.76	-113.84	842.21	2.02	0.80	6.65
5,017.00	15.63	355.98	4,904.14	860.78	-114.70	868.17	1.57	-0.99	-4.38
5,112.00	15.63	353.23	4,995.62	886.26	-117.11	893.76	0.78	0.00	-2.89
5,206.00	15.00	353.23	5,086.29	910.91	-120.03	918.58	0.67	-0.67	0.00
5,300.00	15.10	357.70	5,177.06	935.23	-121.96	942.96	1.24	0.11	4.76
5,395.00	12.81	356.85	5,269.25	958.11	-123.03	965.83	2.42	-2.41	-0.89
5,490.00	10.81	355.73	5,362.24	977.51	-124.28	985.25	2.12	-2.11	-1.18
5,584.00	8.50	4.76	5,454.91	993.23	-124.36	1,000.88	2.93	-2.46	9.61
5,679.00	5.69	7.10	5,549.17	1,004.90	-123.19	1,012.35	2.97	-2.96	2.46
5,774.00	3.94	25.10	5,643.84	1,012.53	-121.22	1,019.72	2.41	-1.84	18.95
5,869.00	2.31	58.10	5,738.70	1,016.50	-118.21	1,023.33	2.49	-1.72	34.74
5,964.00	1.63	89.48	5,833.64	1,017.52	-115.24	1,024.02	1.32	-0.72	33.03
6,057.00	0.60	219.89	5,926.63	1,017.16	-114.23	1,023.55	2.23	-1.11	140.23
6,152.00	1.00	200.35	6,021.62	1,016.00	-114.83	1,022.47	0.50	0.42	-20.57

Company:	ANADARKO PETROLEUM CORP.	**Local Co-ordinate Reference:**	Well NBU 922-18D3BS
Project:	UINTAH COUNTY, UTAH (nad 27)	**TVD Reference:**	WELL @ 4920.00ft (Original Well Elev)
Site:	NBU 922-18E PAD	**MD Reference:**	WELL @ 4920.00ft (Original Well Elev)
Well:	NBU 922-18D3BS	**North Reference:**	True
Wellbore:	NBU 922-18D3BS	**Survey Calculation Method:**	Minimum Curvature
Design:	NBU 922-18D3BS	**Database:**	EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,247.00	1.25	268.48	6,116.61	1,015.20	-116.16	1,021.81	1.34	0.26	71.72
6,342.00	0.75	319.48	6,211.60	1,015.64	-117.60	1,022.41	1.02	-0.53	53.68
6,437.00	1.63	10.98	6,306.58	1,017.44	-117.74	1,024.22	1.37	0.93	54.21
6,532.00	1.56	13.10	6,401.54	1,020.03	-117.19	1,026.73	0.10	-0.07	2.23
6,627.00	1.19	21.60	6,496.51	1,022.21	-116.54	1,028.82	0.44	-0.39	8.95
6,721.00	0.94	36.60	6,590.50	1,023.73	-115.72	1,030.25	0.40	-0.27	15.96
6,816.00	0.81	52.98	6,685.49	1,024.76	-114.72	1,031.16	0.30	-0.14	17.24
6,911.00	0.88	69.48	6,780.48	1,025.42	-113.50	1,031.68	0.27	0.07	17.37
7,006.00	0.86	80.84	6,875.47	1,025.79	-112.11	1,031.90	0.18	-0.02	11.96
7,101.00	0.75	103.22	6,970.46	1,025.76	-110.80	1,031.73	0.35	-0.12	23.56
7,196.00	1.00	117.23	7,065.44	1,025.24	-109.46	1,031.06	0.34	0.26	14.75
7,291.00	1.06	131.73	7,160.43	1,024.28	-108.07	1,029.95	0.28	0.06	15.26
7,385.00	1.19	141.10	7,254.41	1,022.94	-106.80	1,028.48	0.24	0.14	9.97
7,480.00	1.25	132.35	7,349.39	1,021.47	-105.42	1,026.87	0.21	0.06	-9.21
7,575.00	1.56	129.98	7,444.36	1,019.94	-103.66	1,025.16	0.33	0.33	-2.49
7,669.00	0.81	145.85	7,538.34	1,018.57	-102.31	1,023.65	0.86	-0.80	16.88
7,764.00	1.06	272.35	7,633.33	1,018.05	-102.81	1,023.19	1.76	0.26	133.16
7,858.00	1.00	271.58	7,727.32	1,018.11	-104.50	1,023.43	0.07	-0.06	-0.82
7,953.00	1.00	252.60	7,822.31	1,017.89	-106.12	1,023.38	0.35	0.00	-19.98
8,048.00	0.95	223.82	7,917.29	1,017.07	-107.46	1,022.72	0.51	-0.05	-30.29
8,142.00	1.13	217.60	8,011.28	1,015.77	-108.56	1,021.55	0.23	0.19	-6.62
8,235.00	1.50	211.60	8,104.25	1,014.01	-109.76	1,019.93	0.42	0.40	-6.45
8,330.00	1.38	208.22	8,199.22	1,011.94	-110.95	1,018.01	0.15	-0.13	-3.56
8,425.00	0.63	232.10	8,294.21	1,010.61	-111.90	1,016.79	0.89	-0.79	25.14
8,519.00	0.63	188.98	8,388.20	1,009.79	-112.39	1,016.02	0.49	0.00	-45.87
8,614.00	0.69	165.73	8,483.20	1,008.72	-112.33	1,014.95	0.29	0.06	-24.47
8,709.00	0.94	145.48	8,578.19	1,007.52	-111.75	1,013.70	0.40	0.26	-21.32
8,804.00	1.19	152.10	8,673.17	1,006.00	-110.85	1,012.09	0.29	0.26	6.97
8,899.00	1.25	159.60	8,768.15	1,004.16	-110.02	1,010.17	0.18	0.06	7.89
8,994.00	1.25	180.73	8,863.13	1,002.15	-109.68	1,008.14	0.48	0.00	22.24
LAST MWD SVY									
9,089.00	1.31	184.23	8,958.10	1,000.04	-109.77	1,006.04	0.10	0.06	3.68
FINAL MSS SVY									
10,088.00	1.60	115.65	9,956.85	982.61	-98.04	987.43	0.17	0.03	-6.86

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
2,760.00	2,749.28	9 5/8"	9.62	12.25

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
9,089.00	8,958.10	1,000.04	-109.77	LAST MWD SVY
10,088.00	9,956.85	982.61	-98.04	FINAL MSS SVY

Checked By: _____ Approved By: _____ Date: _____

API Well No: 43047405920000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU0359

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 922-18D3BS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047405920000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1881 FNL 0370 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 18 Township: 09.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ **NOTICE OF INTENT** Approximate date work will start: 8/5/2010	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ **SUBSEQUENT REPORT** Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ **SPUD REPORT** Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	✓ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ **DRILLING REPORT** Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR REQUESTS AUTHORIZATION TO RECOMPLETE THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSES TO RECOMPLETE THE WASATCH FORMATION. THE OPERATOR REQUESTS AUTHORIZATION TO COMMINGLE THE NEWLY WASATCH WITH THE EXISTING MESAVERDE FORMATION. PLEASE REFER TO THE ATTACHED RECOMPLETION PROCEDURE.

Accepted by the Utah Division of Oil, Gas and Mining

Date: August 19, 2010

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Danielle Piernot	720 929-6156	Regulatory Analyst
SIGNATURE N/A		**DATE** 8/3/2010

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047405920000

Authorization: Board Cause No. 173-14.

Accepted by the
Utah Division of
Oil, Gas and Mining

Date: August 19, 2010

By:

Greater Natural Buttes Unit

NBU 922-18D3BS

RE-COMPLETIONS PROCEDURE

DATE:7/23/2010
AFE#:2047237

COMPLETIONS ENGINEER: Conner Staley, Denver, CO
(720)-929-6419 (Office)

SIGNATURE:

ENGINEERING MANAGER: JEFF DUFRESNE

SIGNATURE:

REMEMBER SAFETY FIRST!

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Name: **NBU 922-18D3BS**
Location: **NW SW NW NW Sec. 18 T9S R22E**
Uintah County, UT
Date: **7/23/10**

ELEVATIONS: 4920 GL 4946 KB

TOTAL DEPTH: 10125 **PBTD:** 10065
SURFACE CASING: 9 5/8", 36# J-55 ST&C @ 2822'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 LT&C @ 10109'
Marker Joint **4778-4792**'

TUBULAR PROPERTIES:

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 ½" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 ½" Annulus				0.0101	0.4227

TOPS:

1828' Green River
2123' Birds Nest
2486' Mahogany
5106' Wasatch
7839' Mesaverde
10125' Bottom of Mesaverde (TD)

CBL indicates good cement below 800'

GENERAL:

- A minimum of **19** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Halliburtons Induction-Density-Neutron log dated 7/25/09
- **6** fracturing stages required for coverage.
- Procedure calls for 7 CBP's (**8000** psi).
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Pump scale inhibitor at 3 gal/1000 during pad and sand ramp up to 1.25 ppg. Pump at 10 gal/1000 during flush.
- 30/50 mesh Ottawa sand, **Slickwater frac**.
- Maximum surface pressure **7000** psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). Stage acid and scale inhibitor if necessary to cover the next perforated interval.

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- **Call flush at 0 PPG @ inline densiometers. Slow to 5 bbl/min over last 10-20 bbls of flush. Flush to top perf.**
- **If distance between plug and top perf of previous stage is less than 50', it is considered to be tight spacing - over flush stage by 5 bbls (from top perf)**
- Service companies need to provide surface/production annulus pop-offs to be set for 1500 psi for each frac.
- Pump a **curable resin coated sand (such as SLC)** last 5,000# of all frac stages
- Tubing Currently Landed @~9527
- Originally completed on 12/2/09

Existing Perforations:

Zone	Perfs Top, ft.	Perfs Bot., ft	SPF	Holes
MESAVERDE	8010	8012	3	6
MESAVERDE	8088	8092	3	12
MESAVERDE	8120	8122	3	6
MESAVERDE	8150	8152	4	8
MESAVERDE	8232	8234	4	8
MESAVERDE	8340	8344	3	12
MESAVERDE	8402	8404	3	6
MESAVERDE	8450	8454	4	16
MESAVERDE	8514	8516	4	8
MESAVERDE	8626	8630	3	12
MESAVERDE	8640	8642	3	6
MESAVERDE	8798	8800	4	8
MESAVERDE	8860	8865	3	15
MESAVERDE	8930	8932	3	6
MESAVERDE	8980	8984	3	12
MESAVERDE	9080	9082	4	8
MESAVERDE	9112	9116	4	16
MESAVERDE	9244	9246	4	8
MESAVERDE	9280	9284	3	12
MESAVERDE	9348	9352	3	12
MESAVERDE	9412	9414	4	8
MESAVERDE	9570	9574	3	12
MESAVERDE	9592	9596	4	16
MESAVERDE	9622	9626	4	16
MESAVERDE	9792	9794	3	6
MESAVERDE	9830	9832	3	6
MESAVERDE	9961	9963	4	8
MESAVERDE	9994	9998	3	12
MESAVERDE	10050	10052	4	8

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PROCEDURE:

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.

2. TOOH with 2-3/8", 4.7#, J-55 (or N-80) tubing (currently landed at ~9527'). Visually inspect for scale and consider replacing if needed.

3. If tbg looks ok consider running a gauge ring to 8010 (50' below proposed CBP). Otherwise P/U a mill and C/O to 8010 (50' below proposed CBP).

4. Set 8000 psi CBP at ~ 7960'. Pressure test BOP and casing to 6000 psi. .

5. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	7786	7792	3	18
WASATCH	7924	7930	4	24

6. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gal of 15% HCl and let soak. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~7786' and trickle 250gal 15%HCL w/ scale inhibitor in flush .

7. Set 8000 psi CBP at ~7470'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	7424	7428	4	16
WASATCH	7436	7440	4	16

8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~7424' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

9. Set 8000 psi CBP at ~7154'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	7118	7124	4	24

10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~7118' trickle 250gal 15%HCL w/ scale inhibitor in flush.

11. Set 8000 psi CBP at ~6516'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6440	6444	3	12
WASATCH	6480	6486	4	24

12. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~6440' trickle 250gal 15%HCL w/ scale inhibitor in flush.

13. Set 8000 psi CBP at ~6278'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6242	6248	4	24

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14. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~6242' trickle 250gal 15%HCL w/ scale inhibitor in flush.

15. Set 8000 psi CBP at ~6038'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6002	6008	4	24

16. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~6002' flush only with recycled water.

17. Set 8000 psi CBP at~5952'.

18. TIH with 3 7/8" mill, pump off sub, SN and tubing.

19. Mill ALL plugs and clean out to PBTD at 10065. Land tubing at ±**9527**' pump off bit and bit sub. This well WILL be commingled at this time.

20. Clean out well with foam and/or swabbing unit until steady flow has been established from recomplete.

21. RDMO

For design questions, please call
Conner Staley, Denver, CO
(720)-929-6419 (Office)

For field implementation questions, please call
Jeff Samuels Vernal, UT
435-781-9770 (Office)

NOTES:

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Name NBU 922-18D3BS
Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes		Fracture Coverage		
		Top, ft	Bottom, ft						
1	WASATCH	7786	7792	3	18		7773	to	7797
	WASATCH	7924	7930	4	24		7911	to	7935
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
					Look				
	# of Perfs/stage				42		CBP DEPTH	7,470	
2	WASATCH	7424	7428	4	16		7418	to	7430.5
	WASATCH	7436	7440	4	16		7432	to	7446
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
					Look				
	# of Perfs/stage				32		CBP DEPTH	7,154	
3	WASATCH	7118	7124	4	24		7109.5	to	7128
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
					Look				
	# of Perfs/stage				24		CBP DEPTH	6,516	
4	WASATCH	6440	6444	3	12		6437	to	6463
	WASATCH	6480	6486	4	24		6467.5	to	6495
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	# of Perfs/stage				36		CBP DEPTH	6,278	
5	WASATCH	6242	6248	4	24		6220	to	6262.5
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
					Look				
	# of Perfs/stage				24		CBP DEPTH	6,038	
6	WASATCH	6002	6008	4	24		5994	to	6019
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
					Look				
	# of Perfs/stage				24		CBP DEPTH	5,952	
	Totals				182				

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Fracturing Schedules
Name NBU 922-18D3BS
Slickwater Frac

Copy to new book

Recomplete? Y
Pad? Y
ACTS? Y

Swabbing Days	0 Enter Number of swabbing days here for recompletes
Production Log	0 Enter 1 if running a Production Log
DFIT	0 Enter Number of DFITs

Stage	Zone	Perfs Top, ft.	Perfs Bot., ft	SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.
1	WASATCH	7786	7792	3	18	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	7924	7930	4	24	0	ISIP and 5 min ISIP													49
	WASATCH					50	Slickwater Pad			Slickwater	12,560	12,560	299	299	15.0%	0.0%	0	0		38
	WASATCH					50	Slickwater Ramp	0.25	1.5	Slickwater	41,866	54,426	997	1,296	50.0%	35.7%	36,633	36,633		126
	WASATCH					50	Slickwater Ramp	1.5	3	Slickwater	29,306	83,733	698	1,994	35.0%	64.3%	65,939	102,572		0
	WASATCH					50	Flush (4-1/2)			Slickwater	5,083	88,815	121	2,115				102,572		0
	WASATCH						ISDP and 5 min ISDP			Slickwater										0
	WASATCH																			0
	WASATCH																	102,572		0
	WASATCH											88,815	121	2,115						49
	WASATCH																			260
					Look											gal/md-ft	25,000	30,625	lbs sand/md-ft	
		# of Perfs/stage			42								Flush depth		7786		CBP depth	7,470		316
						42.3	<< Above pump time (min)													
2	WASATCH	7424	7426	4	16	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	7436	7440	4	16	0	ISIP and 5 min ISIP													
	WASATCH					50	Slickwater Pad			Slickwater	5,618	5,618	134	134	15.0%	0.0%	0	0		17
	WASATCH					50	Slickwater Ramp	0.25	1.5	Slickwater	18,725	24,343	446	580	50.0%	35.7%	16,384	16,384		56
	WASATCH					50	Slickwater Ramp	1.5	3	Slickwater	13,108	37,450	312	892	35.0%	64.3%	29,492	45,876		0
	WASATCH					50	Flush (4-1/2)			Slickwater	4,846	42,296	115	1,007				45,876		0
	WASATCH						ISDP and 5 min ISDP			Slickwater										0
	WASATCH																			0
	WASATCH																	45,876		0
	WASATCH											42,296	115	1,007						47
	WASATCH																			120
					Look											gal/md-ft	100,000	122,500	lbs sand/md-ft	
		# of Perfs/stage			32								Flush depth		7424		CBP depth	7,154		270
						20.1	<< Above pump time (min)													
3	WASATCH	7118	7124	4	24	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH					0	ISIP and 5 min ISIP													
	WASATCH					50	Slickwater Pad			Slickwater	4,224	4,224	101	101	15.0%	0.0%	0	0		13
	WASATCH					50	Slickwater Ramp	0.25	1.5	Slickwater	14,080	18,304	335	436	50.0%	35.7%	12,320	12,320		42
	WASATCH					50	Slickwater Ramp	1.5	3	Slickwater	9,856	28,160	235	670	35.0%	64.3%	22,176	34,496		0
	WASATCH					50	Flush (4-1/2)			Slickwater	4,647	32,807	111	781				34,496		0
	WASATCH						ISDP and 5 min ISDP			Slickwater										0
	WASATCH																			0
	WASATCH																	34,496		0
	WASATCH											32,807	111	781						42
	WASATCH																			97
					Look											gal/md-ft	40,000	49,000	lbs sand/md-ft	
		# of Perfs/stage			24								Flush depth		7118		CBP depth	6,516		602
						15.6	<< Above pump time (min)													
4	WASATCH	6440	6444	3	12	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	6480	6486	4	24	0	ISIP and 5 min ISIP													
	WASATCH					50	Slickwater Pad			Slickwater	11,359	11,359	270	270	15.0%	0.0%	0	0		34
	WASATCH					50	Slickwater Ramp	0.25	1.5	Slickwater	37,863	49,222	902	1,172	50.0%	35.7%	33,130	33,130		114
	WASATCH					50	Slickwater Ramp	1.5	3	Slickwater	26,504	75,726	631	1,803	35.0%	64.3%	59,634	92,764		0
	WASATCH					50	Flush (4-1/2)			Slickwater	4,204	79,930	100	1,903				92,764		0
	WASATCH						ISDP and 5 min ISDP			Slickwater										0
	WASATCH																			0
	WASATCH																	92,764		0
	WASATCH											79,930	100	1,903						41
	WASATCH																			188
																gal/md-ft	70,000	85,750	lbs sand/md-ft	
		# of Perfs/stage			36								Flush depth		6440		CBP depth	6,278		162
						38.1	<< Above pump time (min)													
5	WASATCH	6242	6248	4	24	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH					0	ISIP and 5 min ISIP													
	WASATCH					50	Slickwater Pad			Slickwater	6,980	6,980	166	166	15.0%	0.0%	0	0		21
	WASATCH					50	Slickwater Ramp	0.25	1.5	Slickwater	23,265	30,245	554	720	50.0%	35.7%	20,357	20,357		70
	WASATCH					50	Slickwater Ramp	1.5	3	Slickwater	16,286	46,530	388	1,108	35.0%	64.3%	36,642	56,999		0
	WASATCH					50	Flush (4-1/2)			Slickwater	4,075	50,605	97	1,205				56,999		0
	WASATCH						ISDP and 5 min ISDP			Slickwater										0
	WASATCH																			0
	WASATCH																	56,999		0
	WASATCH											50,605	97	1,205						39
	WASATCH																			130
					Look											gal/md-ft	150,000	183,750	lbs sand/md-ft	
		# of Perfs/stage			24								Flush depth		6242		CBP depth	6,038		204
						24.1	<< Above pump time (min)													
6	WASATCH	6002	6008	4	24	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH					0	ISIP and 5 min ISIP													
	WASATCH					50	Slickwater Pad			Slickwater	6,757	6,757	161	161	15.0%	0.0%	0	0		20
	WASATCH					50	Slickwater Ramp	0.25	1.5	Slickwater	22,523	29,279	536	697	50.0%	35.7%	19,707	19,707		68
	WASATCH					50	Slickwater Ramp	1.5	3	Slickwater	15,766	45,045	375	1,073	35.0%	64.3%	35,473	55,180		0
	WASATCH					50	Flush (4-1/2)			Slickwater	3,918	48,963	93	1,166				55,180		0
	WASATCH						ISDP and 5 min ISDP			Slickwater										0
	WASATCH																			0
	WASATCH																	55,180		0
	WASATCH											48,963	93	1,166						0
	WASATCH																			88
					Look											gal/md-ft	50,000	61,250	lbs sand/md-ft	
		# of Perfs/stage			24								Flush depth		6002		CBP depth	5,962		50
						23.3														
	Totals				182						Total Fluid	343,416	gals	8,177	bbls		Total Sand	387,888		
												8,177	bbls							
						2.7								18.2	tanks				Total Scale Inhib. =	883

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU0359

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 922-18D3BS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047405920000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 **PHONE NUMBER:** 720 929-6515 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1881 FNL 0370 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 18 Township: 09.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 7/25/2011	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	✓ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	✓ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR HAS PERFORMED THE RECOMPLETION ON THE SUBJECT WELL. THE OPERATOR HAS RECOMPLETED THE WASATCH FORMATION. THE OPERATOR HAS COMMINGLED THE NEWLY WASATCH FORMATION, ALONG WITH THE EXISTING MESAVERDE FORMATION. THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 07/25/2011 AT 11:15 AM. THE CHRONOLOGICAL WELL HISTORY WILL BE SUBMITTED WITH THE WELL COMPLETION REPORT.

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Sheila Wopsock	435 781-7024	Regulatory Analyst
SIGNATURE N/A		**DATE** 7/25/2011

RECEIVED Jul. 25, 2011

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. UTU0359

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☒ Diff. Resvr.
Other

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No. UTU63047A

2. Name of Operator KERR MCGREE OIL & GAS ONSHORE LP Contact: ANDREW LYTLE E-Mail: andrew.lytle@anadarko.com

8. Lease Name and Well No. NBU 922-18D3BS

3. Address P.O. BOX 173779 DENVER, CO 80217

3a. Phone No. (include area code) Ph: 720-929-6100

9. API Well No. 047 43-074-40592

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface SWNW 1881FNL 370FWL 40.038120 N Lat, 109.488720 W Lon

At top prod interval reported below NWNW 864FNL 263FWL

At total depth NWNW 899FNL 272FWL Original Log

10. Field and Pool, or Exploratory NATURAL BUTTES

11. Sec., T., R., M., or Block and Survey or Area Sec 18 T9S R22E Mer SLB

12. County or Parish UINTAH

13. State UT

14. Date Spudded 05/29/2009

15. Date T.D. Reached 07/24/2009

16. Date Completed ☐ D & A ☐ Ready to Prod. 07/25/2011

17. Elevations (DF, KB, RT, GL)* 4894 GL

18. Total Depth: MD 10125 TVD 9994

19. Plug Back T.D.: MD 10065 TVD 9934

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GR/CBL-BHV-ACTR/SDL/DSN

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit analysis)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	14.000 STL	36.7		40		28			
12.250	9.625 J-55	36.0		2822		620		0	
7.875	4.500 I-80	11.6		10109		1865		800	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	7488							

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	6002	7929	6002 TO 7929	0.360	120	OPEN
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
6002 TO 7929	PUMP 4903 BBLS SLICK H2O & 133,563# SAND

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SEP 07 2011
DIV. OF OIL, GAS & MINING

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
07/25/2011	07/28/2011	24	→	46.0	1481.0	128.0			FLOWS FROM WELL

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
26/64	124	222.0	→	46	1481	128		PGW

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #116682 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
GREEN RIVER	1759				
BIRD'S NEST	2097				
MAHOGANY	2600				
WASATCH	5252				
MESAVERDE	8000	10125			

32. Additional remarks (include plugging procedure):
Attached is the recompletion chrono and the Wasatch perforation report.

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)
2. Geologic Report
3. DST Report
4. Directional Survey
5. Sundry Notice for plugging and cement verification
6. Core Analysis
7 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #116682 Verified by the BLM Well Information System.
For KERR MCGREE OIL & GAS ONSHORE,, sent to the Vernal

Name *(please print)* ANDREW LYTLE Title REGULATORY ANALYST

Signature (Electronic Submission) Date 09/01/2011

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18D3BS - RED ***	Spud Conductor: 5/29/2009	Spud Date: 5/30/2009
Project: UTAH-UINTAH	Site: NBU 922-18E PAD	Rig Name No: ROYAL WELL SERVICE 1/1
Event: RECOMPL/RESEREVEADD	Start Date: 7/12/2011	End Date: 7/22/2011
Active Datum: RKB @4,920.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/18/0/SWNW/6/PM/N/1,881.00/W/0/370.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
7/12/2011	6:45 - 7:00	0.25	COMP	48		P		HSM & JSA W/ROYAL WELL SERVICE
	7:00 - 18:00	11.00	COMP	31	I	P		RDMO NBU 921-35'O' PAD. ROAD RIG TO NBU 922-18E PAD. MIRU RIG, SPOT EQUIIP. WHP = 600 PSI TBG & 600 PSI CSG. PMP 15 BBLS DWN TBG TO CONTROL WELL. NDWH, NU BOP. PMP 25 BBLS DWN CSG TO KILL WELL. LD TBG HNGR. (PULLED 70,000# TO UNSEAT HNGR). PULLING 70,000# TO MOVE TBG. LD 2 JTS - (LIGHT SCALE ON INSIDE OF TBG, CLEAN ON OUT SIDE). CONT. TO POOH W/TBG & STD BK 44 STDS IN DRK, (2900') - NO SCALE. TBG CLEAN IN & OUT. CONT. TO POOH & LD TBG ON RACKS. RIH W/TBG IN DRK & COME OUT LAYING DWN. (289 JTS PULLED - 5 BAD, GAULDED THRDS) - RD TBG EQUIP, TBG SLIDE & RACKS. SWI - SDFN. PMP'D 75 BBLS TO CONTROL WELL.
7/13/2011	6:45 - 7:00	0.25	COMP	48		P		HSM & JSA W/ROYAL WELL SERVICE
	7:00 - 10:00	3.00	COMP	31	I	P		WHP = 700 PSI CSG. BLOW WELL DWN TO FLOWBACK TANK. PMP 20 BBLS DWN CSG TO KILL WELL. MIRU CUTTERS WIRELINE. PU & RIH 4.5 10K CBP & SET @ 7970'. POOH & LD WIRELINE TOOLS. RDMO CUTTERS. ND BOP, NU F.V. LOAD CSG W/TMAC. RDMO WELL.
7/15/2011	6:45 - 7:00	0.25	COMP	48		P		HSM. HIGH PSI LINES.
	7:00 - 7:00	0.00	COMP	33	C	P		FILL SURFACE CSG. MIRU B&C QUICK TEST. PSI TEST T/ 1000 PSI. HELD FOR 15 MIN LOST 43 PSI. PSI TEST T/ 3500 PSI. HELD FOR 15 MIN LOST 31 PSI. 1ST PSI TEST T/ 6200 PSI. HELD FOR 30 MIN LOST 50 PSI. GOOD TEST. BLEED OFF PSI. MOVE T/ NEXT WELL. MIRU CUTTERS WL. PERF STG 1)PU 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH PERF AS PER STG 1 PERF DESIGN. POOH. SWIFWE.
7/18/2011	6:45 - 7:00	0.25	COMP	48		P		HSM. HIGH PSI LINES. WIRE LINE AWAIRNESS.

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18D3BS - RED ***	Spud Conductor: 5/29/2009	Spud Date: 5/30/2009	
Project: UTAH-UINTAH	Site: NBU 922-18E PAD		Rig Name No: ROYAL WELL SERVICE 1/1
Event: RECOMPL/RESEREVEADD	Start Date: 7/12/2011		End Date: 7/22/2011
Active Datum: RKB @4,920.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/18/0/SWNW/6/PM/N/1,881.00/W/0/370.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:00 - 18:00	11.00	COMP	36	B	P		FRAC STG 1)DOWN FOR 6HR 30 MIN. MAKE REPAIR T/ BLENDER DECK MOTOR. SHUT DOWN IN PRE PAD BECAUSE CHEMYS WOULD NOT CHART. WHP 385 PSI, BRK 2368 PSI @ 3.1 BPM. ISIP 1191 PSI, FG .59. PUMP 100 BBLS @ 47.1 BPM @ 4487 PSI = 75% HOLES OPEN. ISIP 2789 PSI, FG .79, NPI 1598 PSI. MP 5738 PSI, MR 49.3 BPM, AP 5378 PSI, AR 48.6 BPM, PMP 1987 BBLS SW & 53,362 LBS OF 30/50 SND. NO RESIN N THS STG. TOTAL PROP 53,362 LBS. SWI, X-OVER FOR WL. PERF STG 2)PU 4 1/2 8K HAL CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 7469' P/U PERF AS PER STG 2 PERF DESIGN. POOH. FRAC STG 2)WHP 1480 PSI, BRK 2043 PSI @ 4.8 BPM. ISIP 1683 PSI, FG .67. PUMP 100 BBLS @ 46.9 BPM @ 4424 PSI = 85% HOLES OPEN. ISIP 2010 PSI, FG .71, NPI 327 PSI. MP 5469 PSI, MR 50.7 BPM, AP 4950 PSI, AR 50.1 BPM, PMP 692 BBLS SW & 16,706 LBS OF 30/50 SND.NO RESIN AS PER DESIGN. TOTAL PROP 16,706 LBS. SWI, X-OVER FOR WL. PERF STG 3)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 7153' P/U PERF AS PER STG 3 PERF DESIGN. POOH.SWI COMPUTER IN FRAC VAN QUIT WORKING
7/19/2011	6:45 - 7:00	0.25	COMP	48		P		HSM. H2S AND WEATHER.

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18D3BS - RED ***	Spud Conductor: 5/29/2009	Spud Date: 5/30/2009	
Project: UTAH-UINTAH	Site: NBU 922-18E PAD		Rig Name No: ROYAL WELL SERVICE 1/1
Event: RECOMPL/RESEREVEADD	Start Date: 7/12/2011		End Date: 7/22/2011
Active Datum: RKB @4,920.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/18/0/SWNW/6/PM/N/1,881.00/W/0/370.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:00 - 7:00	0.00	COMP					FRAC STG 3)WHP 760 PSI, BRK 3403 PSI @ 4.6 BPM. ISIP 1629 PSI, FG .67. PUMP 100 BBLS @ 50 BPM @ 4596 PSI = 86% HOLES OPEN. ISIP 1716 PSI, FG .69, NPI 131 PSI. MP 5418 PSI, MR 50.2 BPM, AP 4628 PSI, AR 49.3 BPM, PMP 693 BBLS SW & 17,362 LBS OF 30/50 SND. TOTAL PROP 17,362 LBS. SWI, X-OVER FOR WL. PERF STG 4)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GN, 23 GM, .36 HOLE SIZE. 90 & 120 DEG PHASING. RIH SET CBP @ 6690' P/U PERF AS PER STG 4 PERF DESIGN. FRAC STG 4)WHP 220 PSI, BRK 2768 PSI @ 4.8 BPM. ISIP 1343 PSI, FG .64. PUMP 100 BBLS @ 37 BPM @ 4097 PSI = 62% HOLES OPEN. ISIP 1155 PSI, FG .61, NPI -191 PSI. MP 5599 PSI, MR 50.8 BPM, AP 4353 PSI, AR 50.3 BPM, PMP 867 BBLS SW & 23,047 LBS OF 30/50 SND. TOTAL PROP 23,047 LBS. SWI, X-OVER FOR WL. PERF STG 5)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 6275' P/U PERF AS PER STG 5 PERF DESIGN. POOH. FRAC STG 5)WHP 122 PSI, BRK 2004 PSI @ 4.4 BPM. ISIP 975 PSI, FG .60. PUMP 100 BBLS @ 41.7 BPM @ 5116 PSI = 60% HOLES OPEN. ISIP 1351 PSI, FG .66, NPI 376 PSI. MP 5579 PSI, MR 50.6 BPM, AP 5038 PSI, AR 50.3 BPM, PMP 740 BBLS SW & 23,086 LBS OF 30/50 SND. TOTAL PROP 23,086 LBS. SWI, X-OVER FOR WL. PU 4 1/2 8K HAL CBP. RIH SET CBP @ 5952'. POOH. DONE FRACING THIS WELL. TOTAL SAND = 133,563 LBS TOTAL CLFL = 4903 BBLS TOTAL SCALE = 563 GAL TOTAL BIO = 109 GAL
7/21/2011	12:00 - 12:15	0.25	COMP	48		P		HSM & JSA W/ROYAL WELL SERVICE.
	12:15 - 18:00	5.75	COMP	31	I	P		MIRU RIG. SPOT EQUIP. WHP = 0 PSI. NDWH, NU BOP. RU TBG EQUIP & MOVE IN TBG RACKS. TRANSFER TBG TO RACKS. PREP & TALLY TBG. PU 3 7/8" MILL & SLIDING SLEEVE ASSEMBLY. RIH ON 187 JTS USED 2 3/8" 4.7# L80 TBG. TAG FILL @ 5947'. LD 2 JTS. RD TBG EQUIP. RU PWR SWVL & PMP. EST CIRC. PT CSG & BOPs TO 3000 PSI & HOLD 15 MIN. (LOST 100#). BLEED OFF WELL. SWI - SDFN. PREP TO D/O 5 CBPs IN AM.
7/22/2011	6:45 - 7:00	0.25	COMP	48		P		HSM & JSA W/ROYAL WELL SERVICE

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18D3BS - RED ***	Spud Conductor: 5/29/2009	Spud Date: 5/30/2009	
Project: UTAH-UINTAH	Site: NBU 922-18E PAD		Rig Name No: ROYAL WELL SERVICE 1/1
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Active Datum: RKB @4,920.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/18/0/SWNW/6/PM/N/1,881.00/W/0/370.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:00 - 18:00	11.00	COMP	44	C	P		WHP = 0 PSI. RIH TAG FILL @ 5947'. C/O 5' OF SND. CBP #1) DRLG OUT HALCO 8K CBP @ 5952' IN 5 MIN. 200 DIFF PSI. RIH TAG FILL @ 6252'. C/O 23 OF SND. FCP = 50 PSI. CBP #2) DRLG OUT HALCO 8K CBP @ 6275' IN 8 MIN. 100 DIFF PSI. RIH TAG FILL @ 6624'. C/O 46 OF SND. FCP = 200 PSI. CBP #3) DRLG OUT HALCO 8K CBP @ 6670' IN 5 MIN. 0 DIFF PSI. RIH TAG FILL @ 7121. C/O 27 OF SND. FCP = 200 PSI. CBP #4) DRLG OUT HALCO 8K CBP @ 7148' IN 7 MIN. 0 DIFF PSI. RIH TAG FILL @ 7455'. C/O 14 OF SND. FCP = 175 PSI. CBP #5) DRLG OUT HALCO 8K CBP @ 7469' IN 6 MIN. 0 DIFF PSI. RIH & TAG FILL @ 7932'. C/O TO 7959'. (27' SAND) PBTD @ 7970. FCP = 100 PSI. CIRC WELL CLEAN. ND PWR SWVL, NU TBG EQUIP. LD 16 JTS ON RACKS, (86 TOTAL ON RACKS). LND TBG ON HNGR W/235 JTS NEW 2 3/8" 4.7# L80 TBG @ 7488.19'. RD FLOOR & TBG EQUIP. ND BOP, NUWH. MIRU DELSOC. RIH & PULL TBG FLOAT. (COULD NOT GET PAST 3060'). POOH W/SLICKLINE. FLUSH TBG W/23 BBLS TMAC. RU SLICKLINE, RIH W/RETRIEVING HEAD, COULD NOT LATCH IN. POOH & CHECK HEAD. MAKE 2nd ATTEMPT TO RETRIEVE FLOAT, COULD NOT LATCH IN. POOH, RDMO DELSCO. MIRU CUTTERS WIRELINE. PU 1 9/16 TBG PUNCH GNS, 4 SPF, 0.36 HOLES. RIH & PERF TBG FROM 7466' - 72', 24 HOLES. POOH & LD TOOLS. SWI - RDMO CUTTERS WIRELINE. TURN WELL TO F.B.C. SICP = 00 PSI, SITP = 00 PSI. **NOTE** (LOST RETURNS BETWEEN PLUGS 2 & 3, ALSO BETWEEN PLUGS 4 & 5.) KB 26' HANGER 0.83' XN NIPPLE 1.1' TBG 235 JTS = 7459.65' PROD SLEEVE @ 7486.66' EOT @ 7488.19' (86 JTS RTND) TWTR = 4,703 BBLS TWR = 570 BBLS TWLTR = 4133 SICP = 50 PSI, SITP = 50 PSI.
7/23/2011	7:00 -			33	A			7 AM FLBK REPORT: CP 1250#, TP 50#, OPEN /64" CK, 15 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 860 BBLS LEFT TO RECOVER: 3843
7/24/2011	7:00 -			33	A			7 AM FLBK REPORT: CP 1600#, TP OPEN#, -/64" CK, NA BWPH, NA SAND, NA GAS TTL BBLS RECOVERED: 1040 BBLS LEFT TO RECOVER: 3663

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18D3BS - RED ***	Spud Conductor: 5/29/2009	Spud Date: 5/30/2009
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Active Datum: RKB @4,920.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/18/0/SWNW/6/PM/N/1,881.00/W/0/370.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
7/25/2011	7:00 -			33	A			7 AM FLBK REPORT: CP 2250#, TP 0#, OPEN/64" CK, 0 BWPH, - SAND, - GAS TTL BBLS RECOVERED: 1045 BBLS LEFT TO RECOVER: 3658
	11:15 - 11:15	0.00	PROD	50				WELL TURNED TO SALES @ 1115 HR ON 7/25/2011 - 1044 MCFD, 118 BWPD, CP 2000#, FTP 350#, CK 20/64"
7/26/2011	7:00 -			33	A			7 AM FLBK REPORT: CP 1450#, TP 700#, 26/64" CK, 20 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 1449 BBLS LEFT TO RECOVER: 3254
7/27/2011	7:00 -			33	A			7 AM FLBK REPORT: CP 1000#, TP 600#, 26/64" CK, 8 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 1661 BBLS LEFT TO RECOVER: 3042
7/28/2011	7:00 -			33	A			7 AM FLBK REPORT: CP 950#, TP 550#, 26/64" CK, 5 BWPH, trace SAND, - GAS TTL BBLS RECOVERED: 1781 BBLS LEFT TO RECOVER: 2922
7/29/2011	7:00 -			33	A			7 AM FLBK REPORT: CP 950#, TP 550#, 26/64" CK, 5 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 1901 BBLS LEFT TO RECOVER: 2802

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well Information

Well	NBU 922-18D3BS - RED ***		
Common Name	NBU 922-18D3BS		
Well Name	NBU 922-18D3BS	**Wellbore No.**	OH
Report No.	1	**Report Date**	7/12/2011
Project	UTAH-UINTAH	**Site**	NBU 922-18E PAD
Rig Name/No.	ROYAL WELL SERVICE 1/1	**Event**	RECOMPL/RESEREVEADD
Start Date	7/12/2011	**End Date**	7/22/2011
Spud Date	5/30/2009	**Active Datum**	RKB @4,920.00ft (above Mean Sea Level)
UWI	0/9/S/22/E/18/0/SWNW/6/PM/N/1,881.00/W/0/370.00/0/0		

1.3 General

Contractor	CASEDHOLE SOLUTIONS	**Job Method**	PERFORATE	**Supervisor**	KENNY WARREN
Perforated Assembly	PRODUCTION CASING	**Conveyed Method**	WIRELINE		

1.4 Initial Conditions

Fluid Type		**Fluid Density**	
Surface Press		**Estimate Res Press**	
TVD Fluid Top		**Fluid Head**	
Hydrostatic Press		**Press Difference**	
Balance Cond	NEUTRAL		

1.5 Summary

Gross Interval	6,002.0 (ft)-7,929.0 (ft)	**Start Date/Time**	7/18/2011 12:00AM
No. of Intervals	12	**End Date/Time**	7/18/2011 12:00AM
Total Shots	120	**Net Perforation Interval**	31.00 (ft)
Avg Shot Density	3.87 (shot/ft)	**Final Surface Pressure**	
		Final Press Date	

2 Intervals

2.1 Perforated Interval

Date	Formation/ Reservoir	CCL@ (ft)	CCL-TS (ft)	MD Top (ft)	MD Base (ft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diameter (in)	Carr Type /Carr Manuf	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
12:00AM	WASATCH/			6,002.0	6,005.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (ft)	CCL-TS (ft)	MD Top (ft)	MD Base (ft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diameter (in)	Carr Type /Carr Manuf	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
12:00AM	WASATCH/			6,242.0	6,245.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
12:00AM	WASATCH/			6,442.0	6,444.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
12:00AM	WASATCH/			6,484.0	6,486.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
12:00AM	WASATCH/			6,540.0	6,541.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
12:00AM	WASATCH/			6,652.0	6,653.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
12:00AM	WASATCH/			6,659.0	6,660.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
12:00AM	WASATCH/			7,117.0	7,123.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
12:00AM	WASATCH/			7,424.0	7,427.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
12:00AM	WASATCH/			7,436.0	7,439.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
12:00AM	WASATCH/			7,778.0	7,781.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
12:00AM	WASATCH/			7,926.0	7,929.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	

3 Plots

3.1 Wellbore Schematic